

FIG. 1

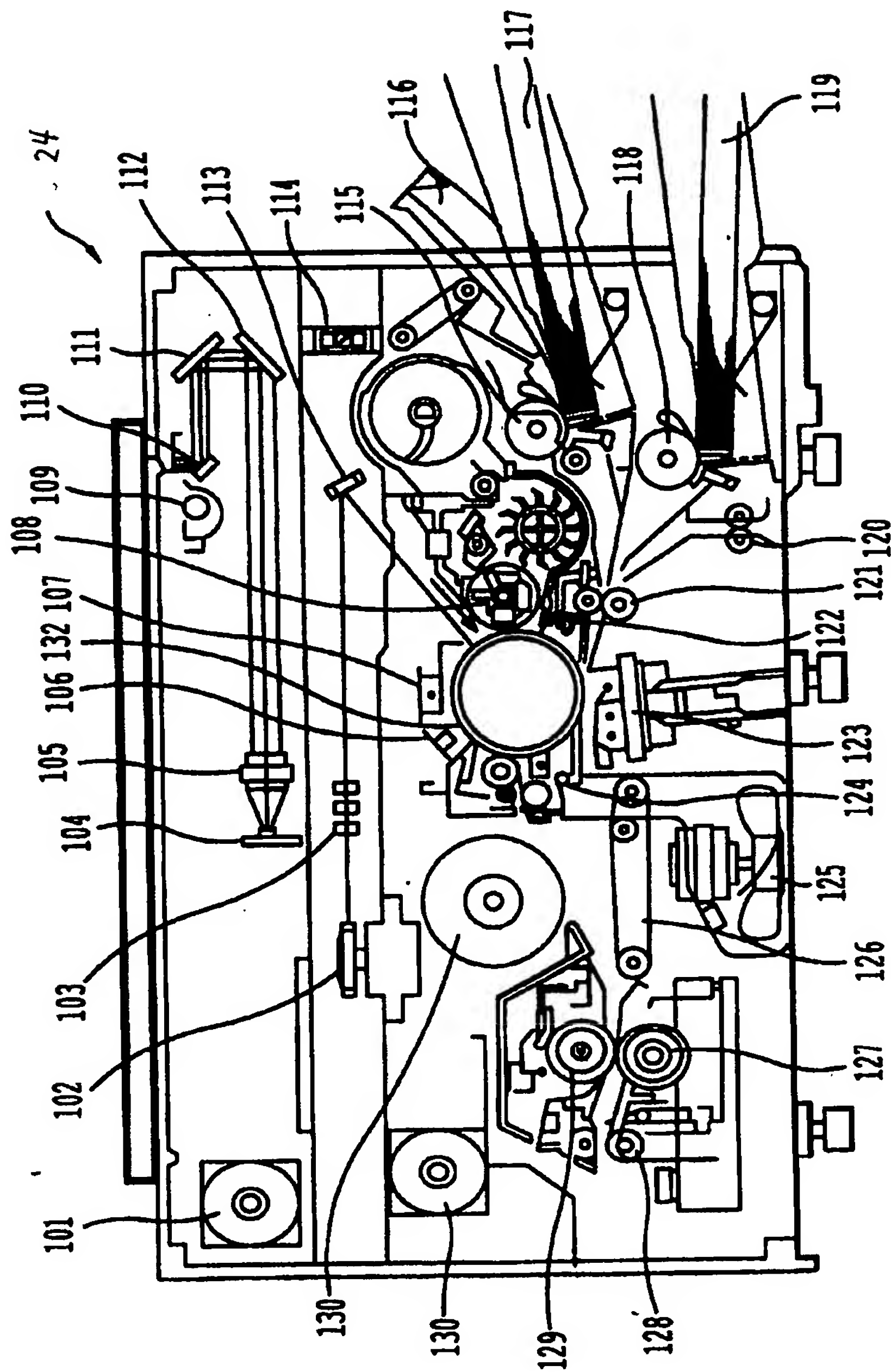


FIG. 2

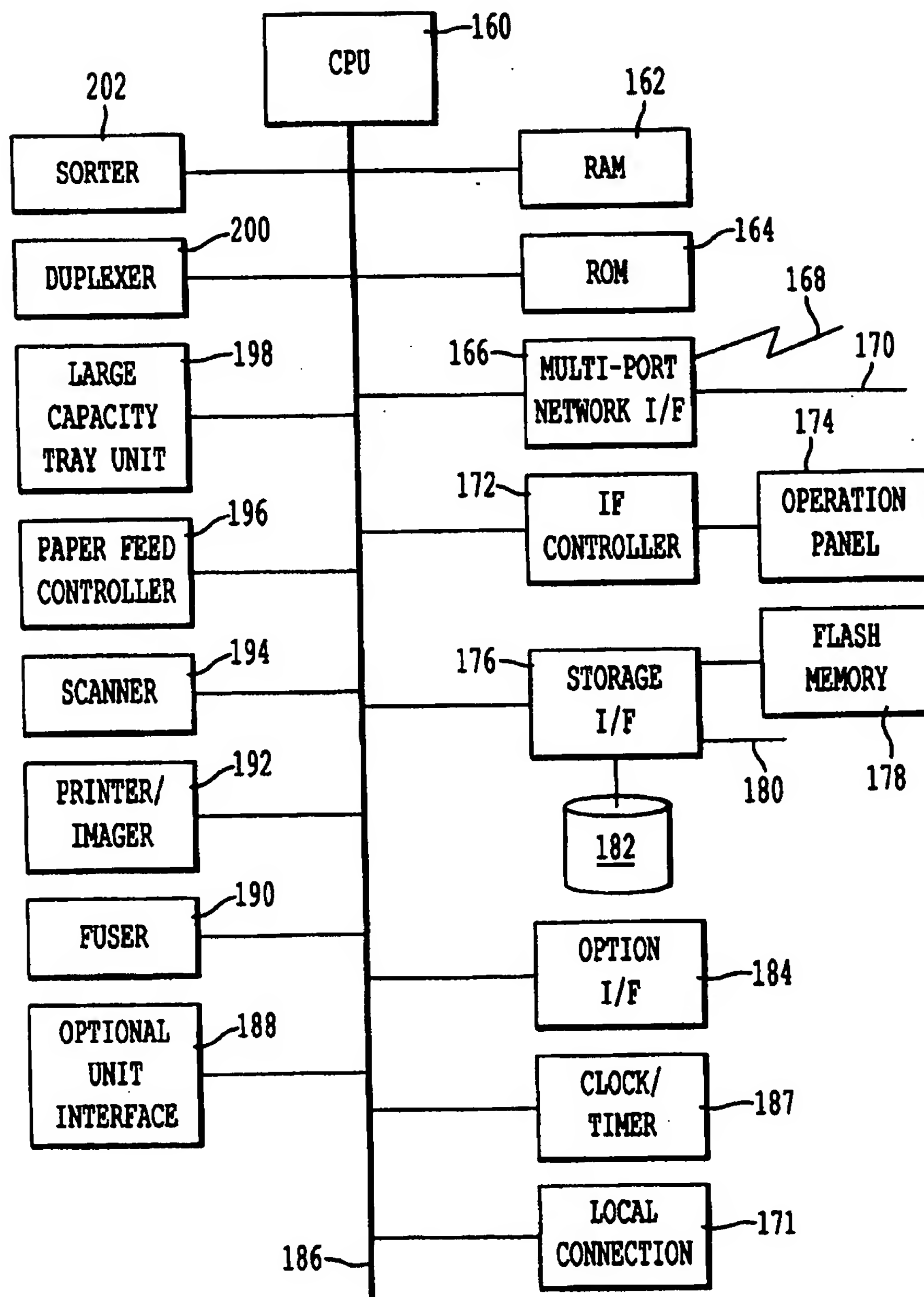


FIG. 3

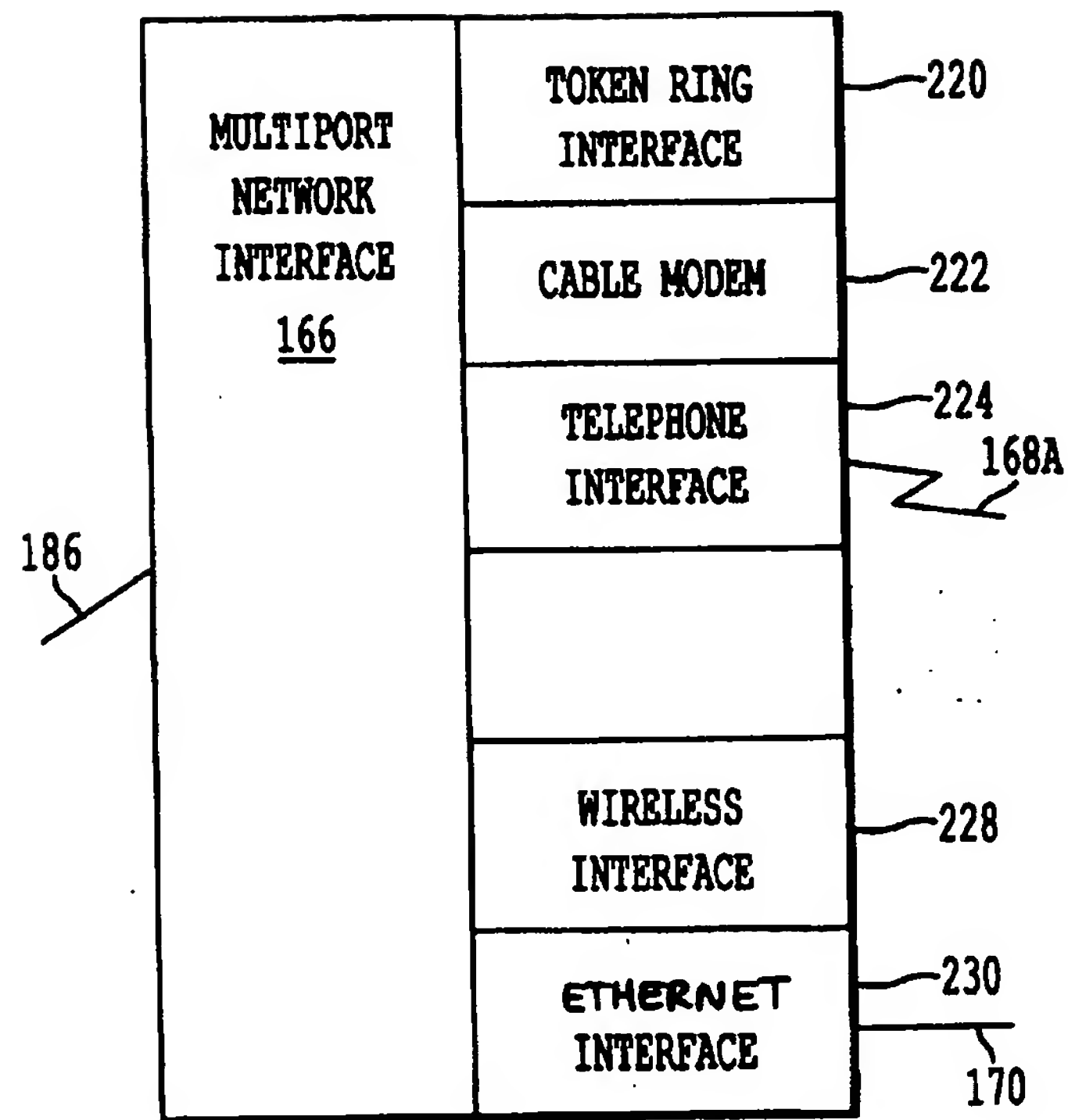


FIG. 4

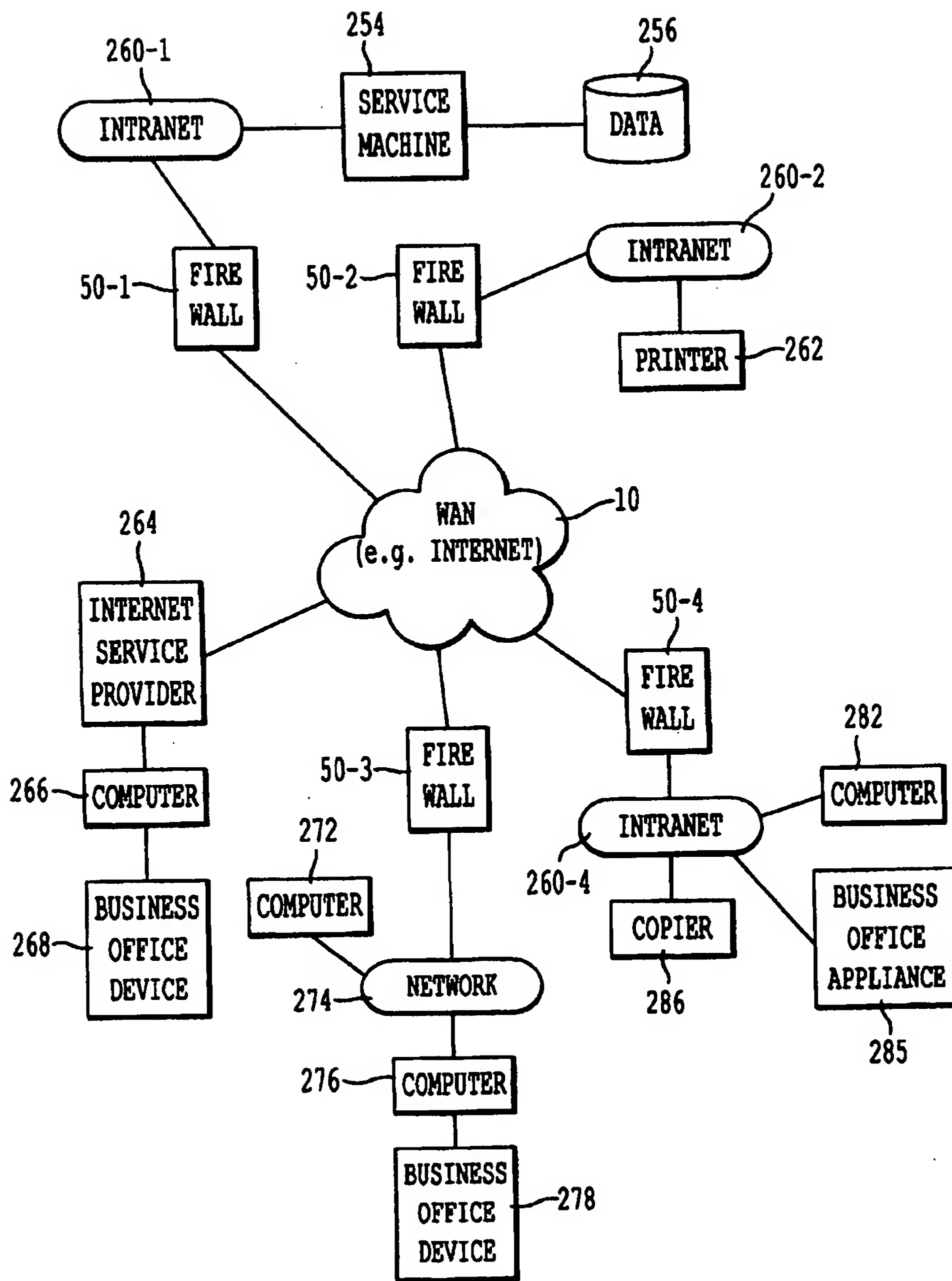


FIG. 5

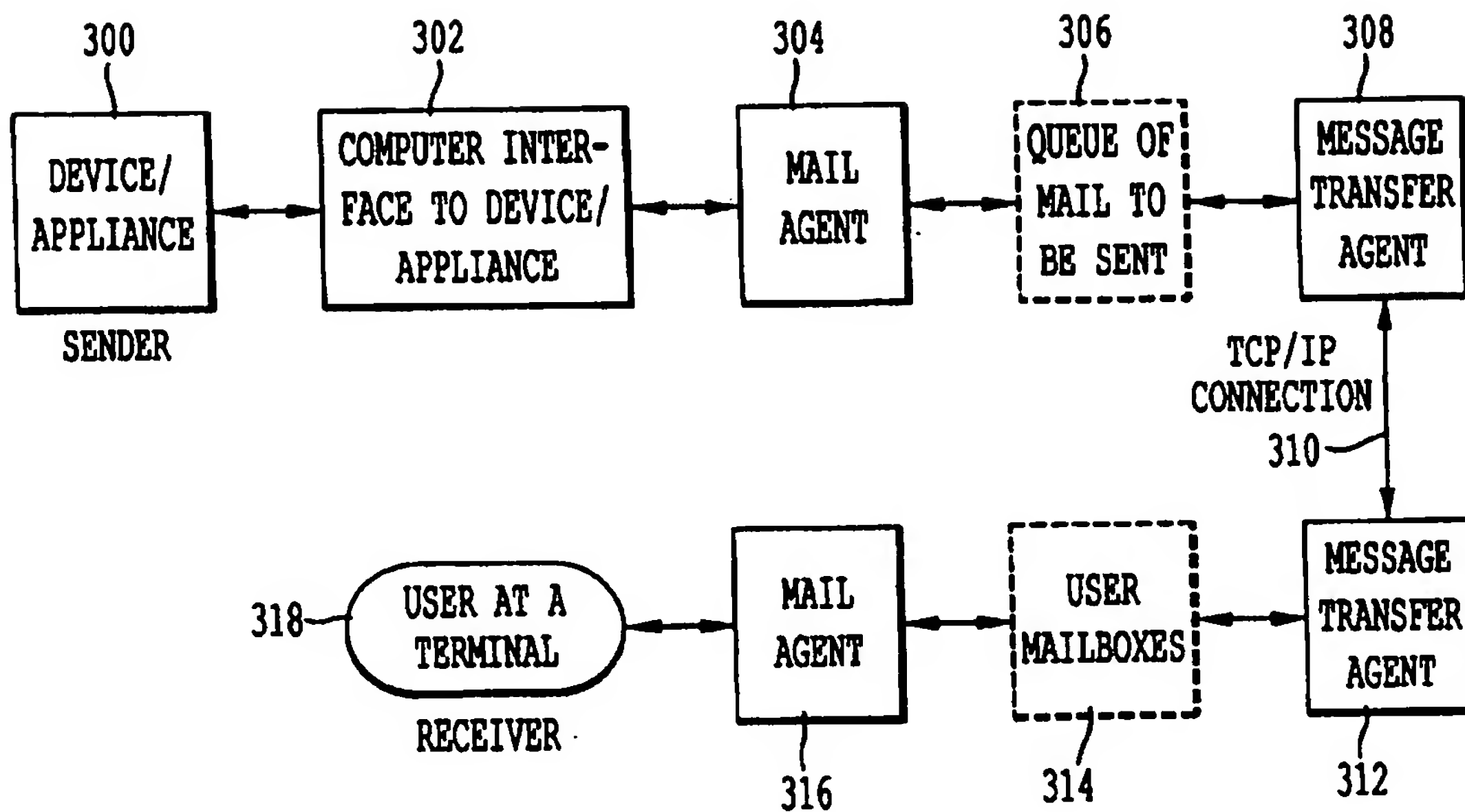


FIG. 6A

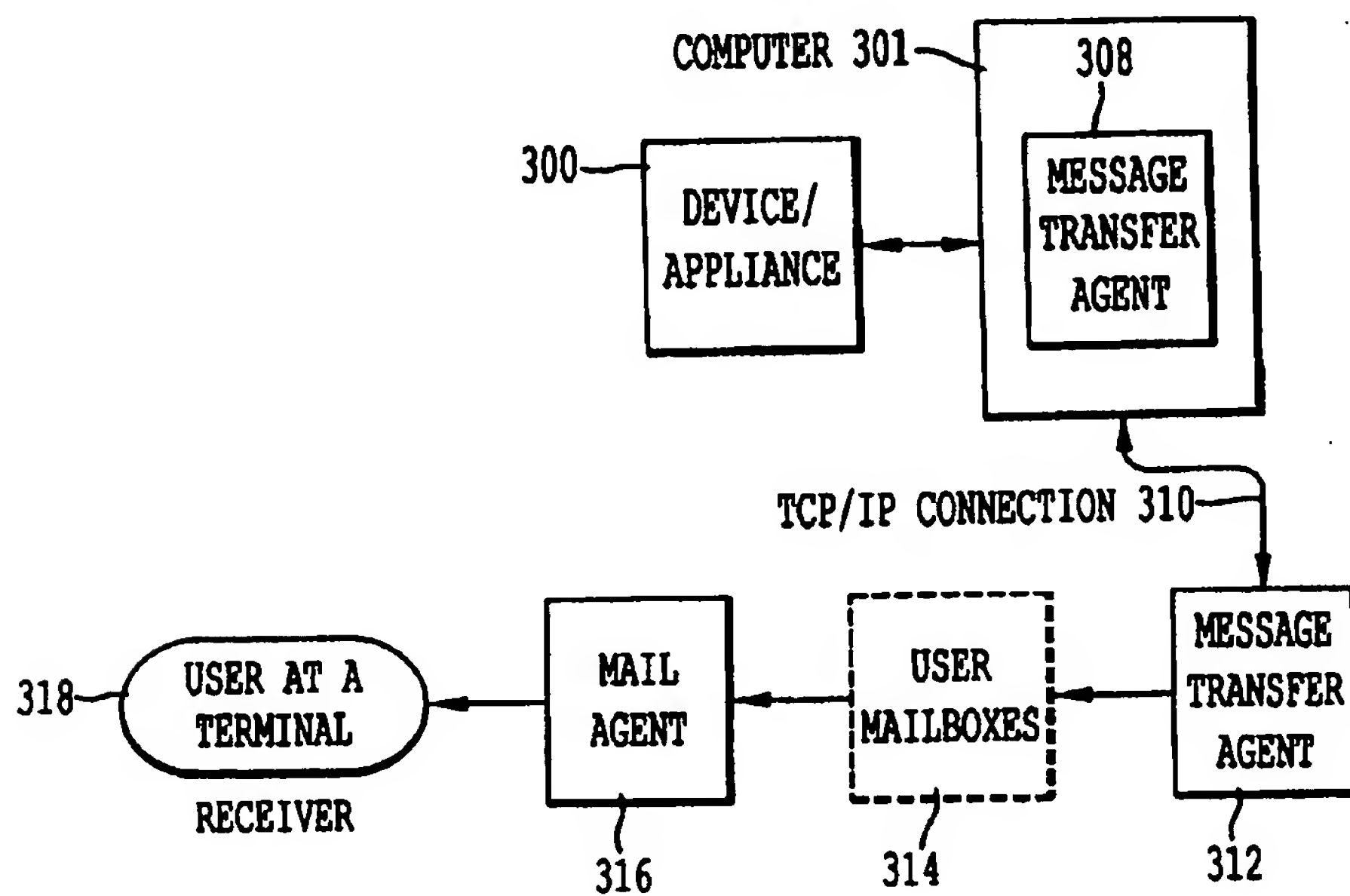


FIG. 6B

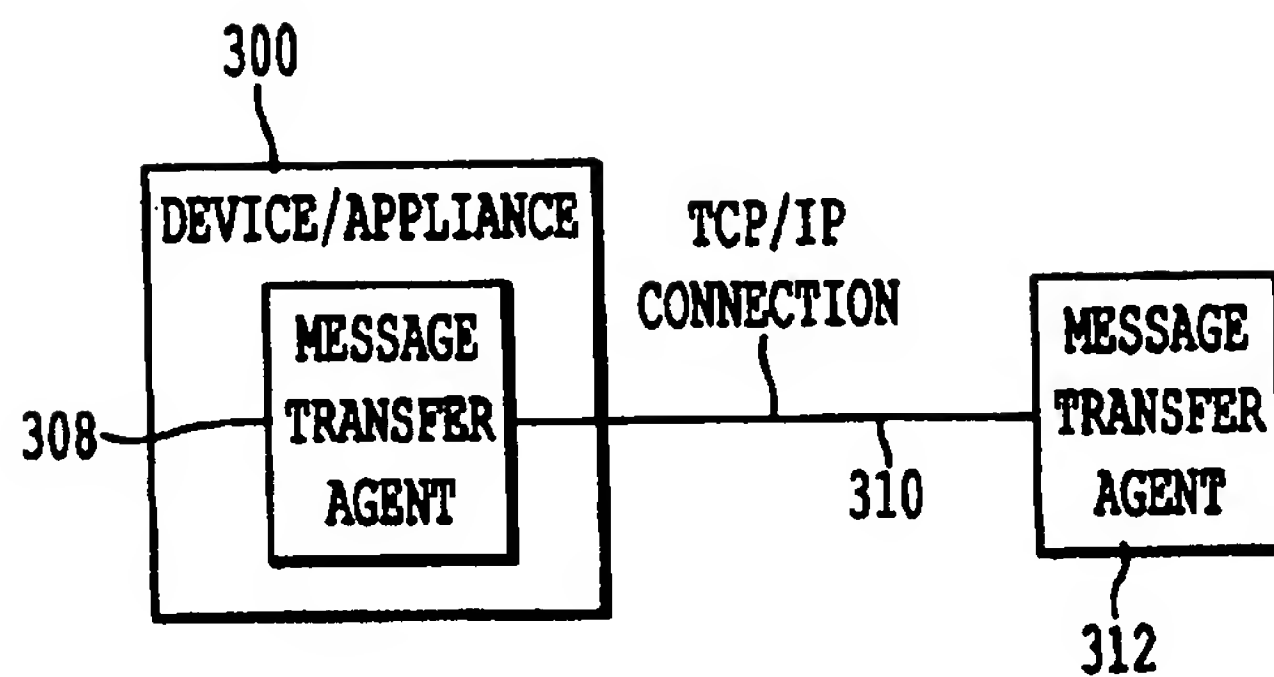


FIG. 6C

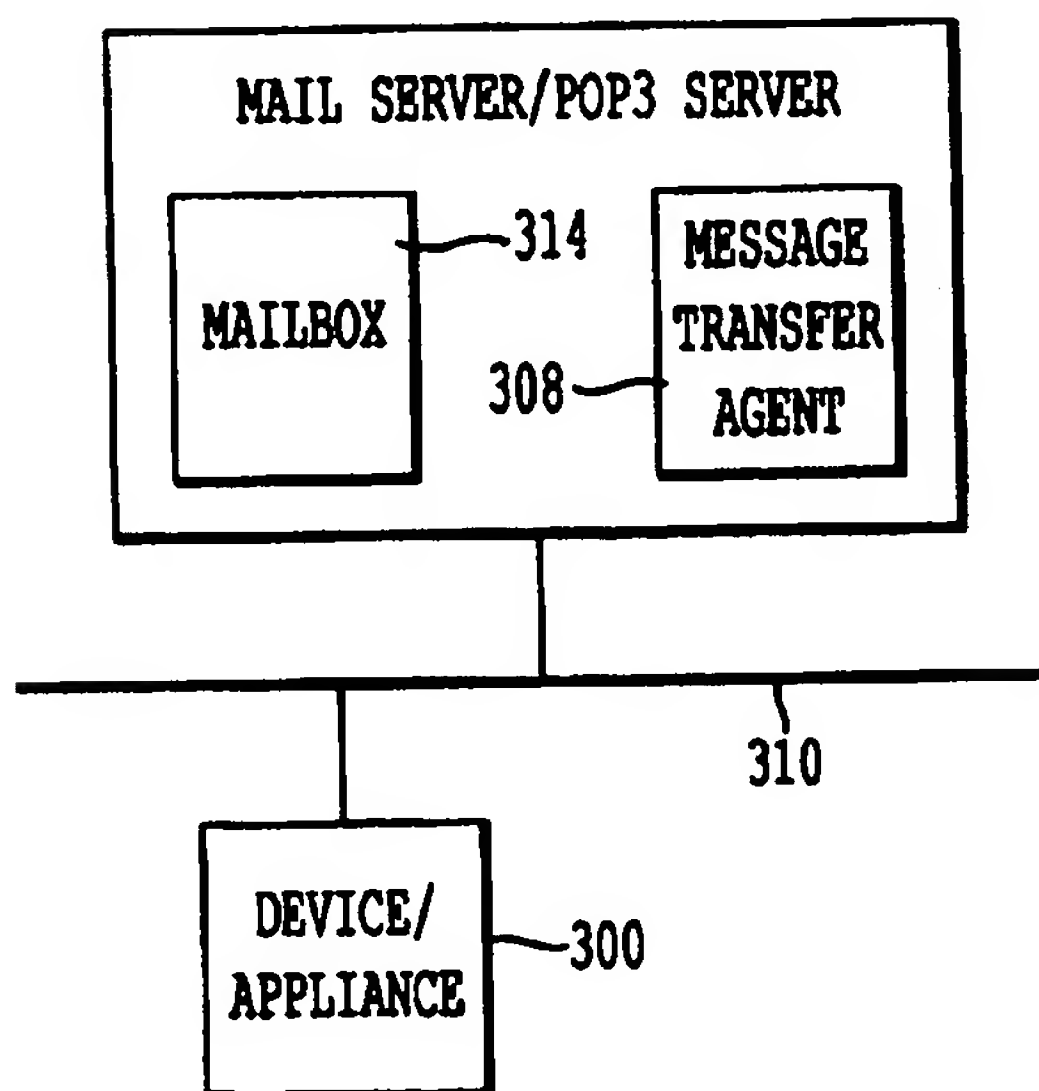


FIG. 6D

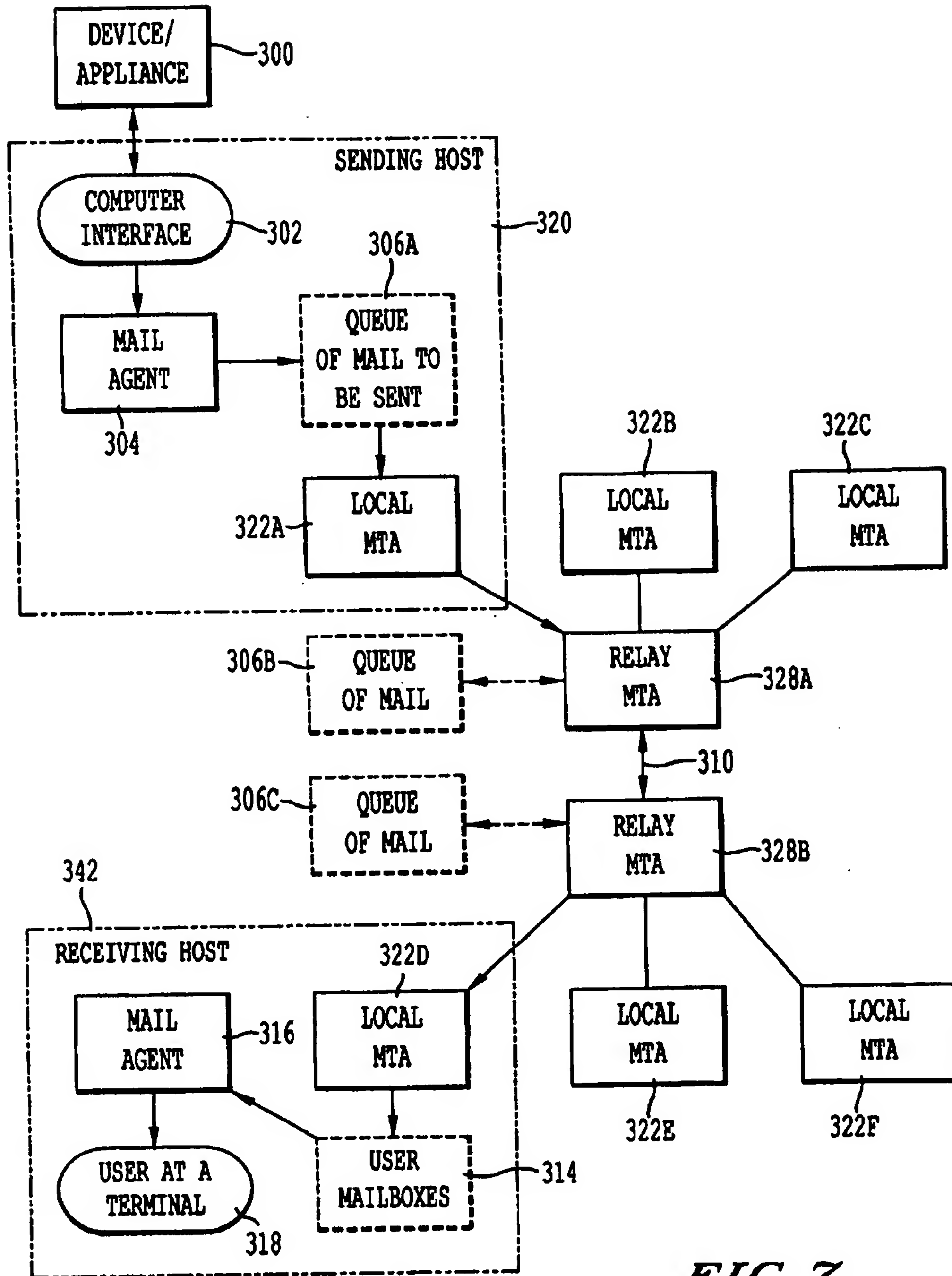


FIG. 7

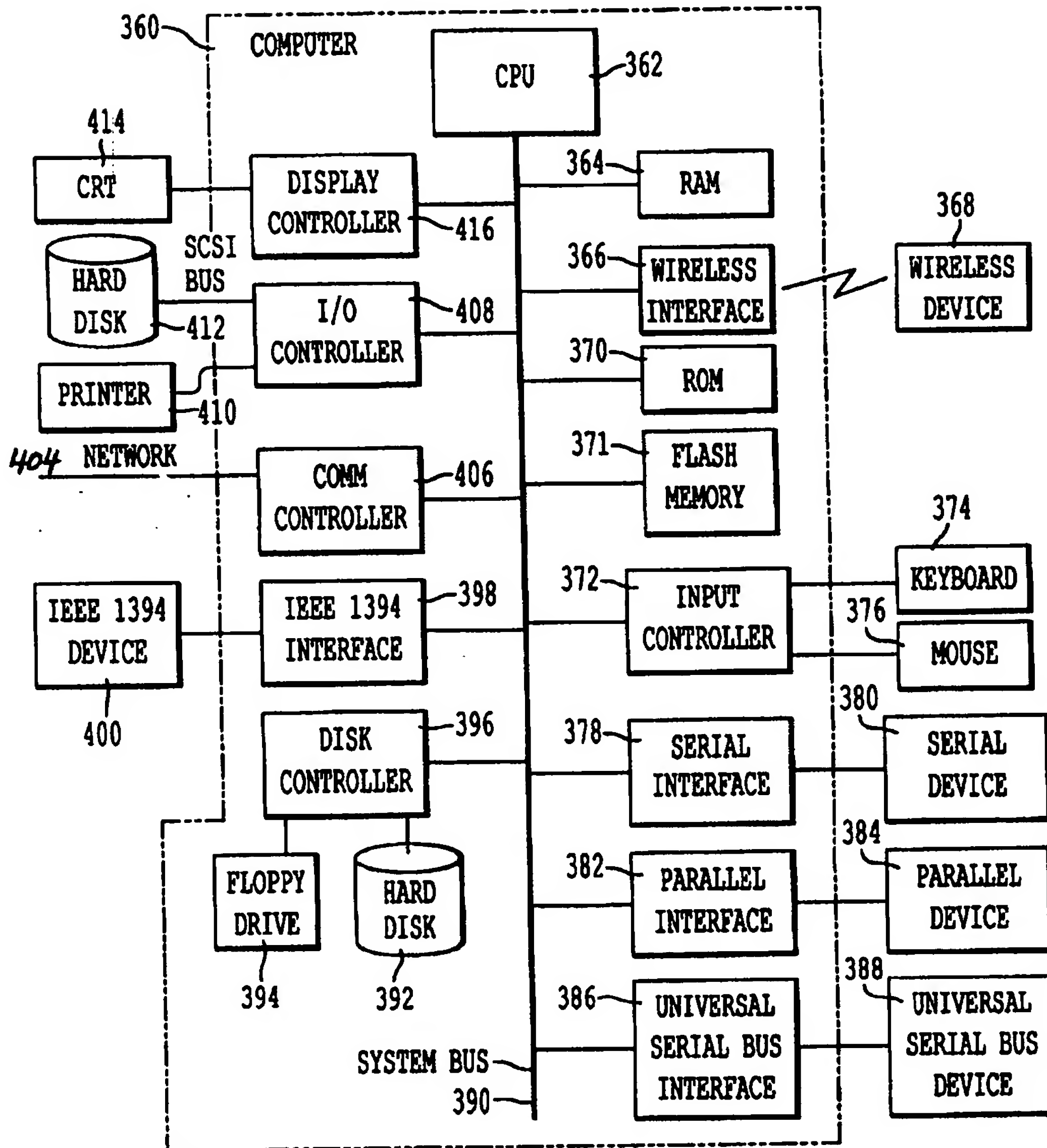


FIG. 8

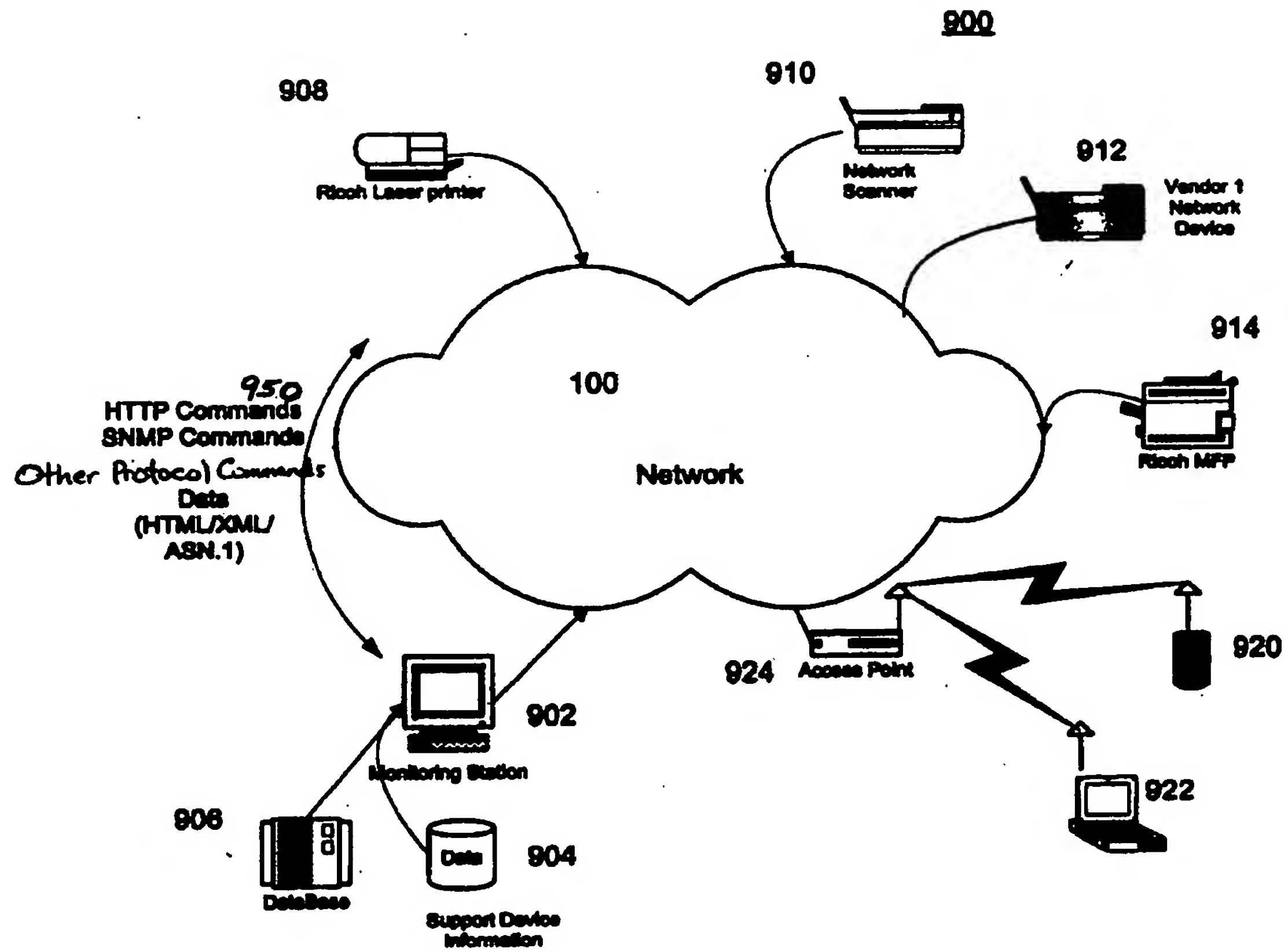


Figure 9

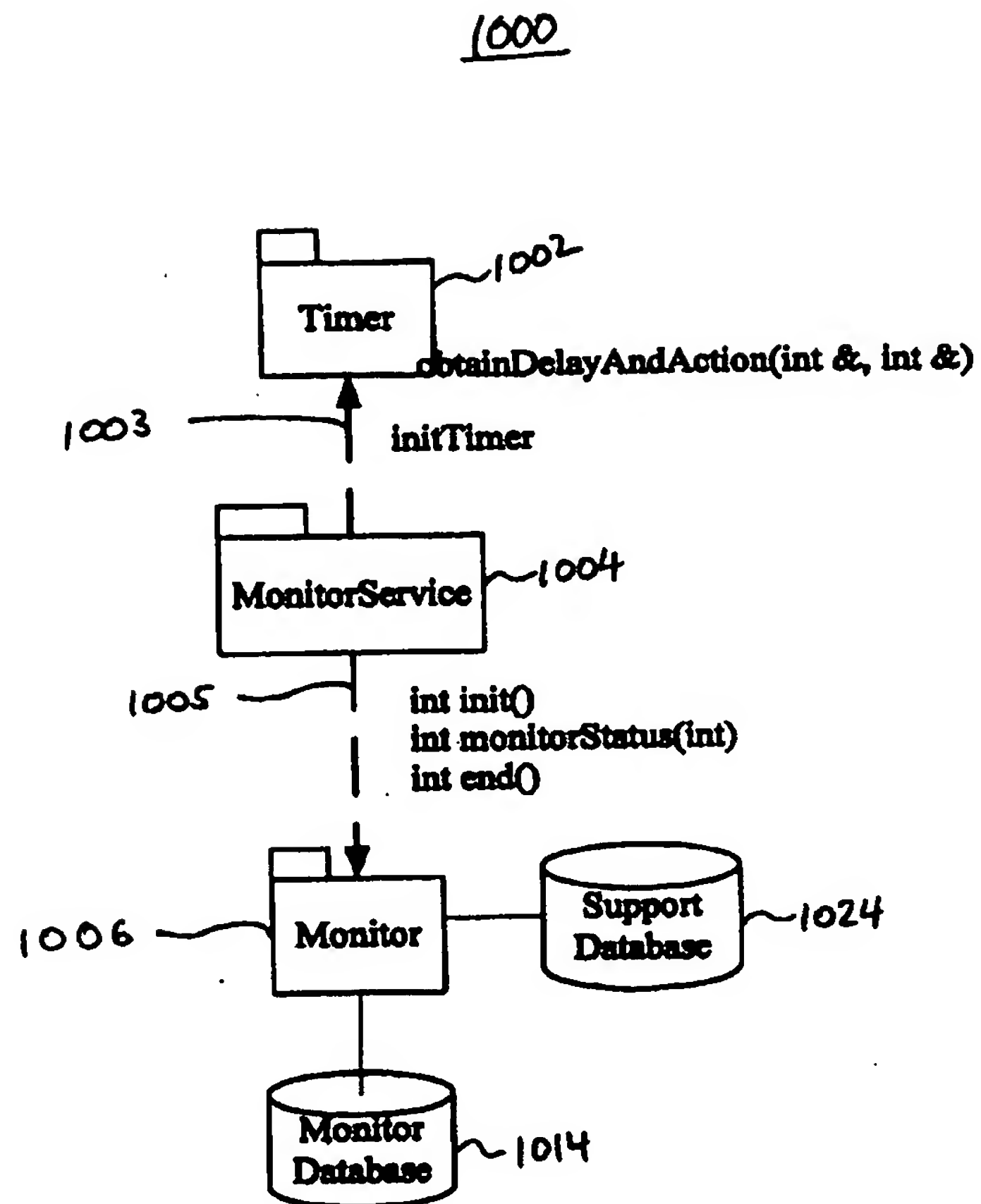


FIG. 10

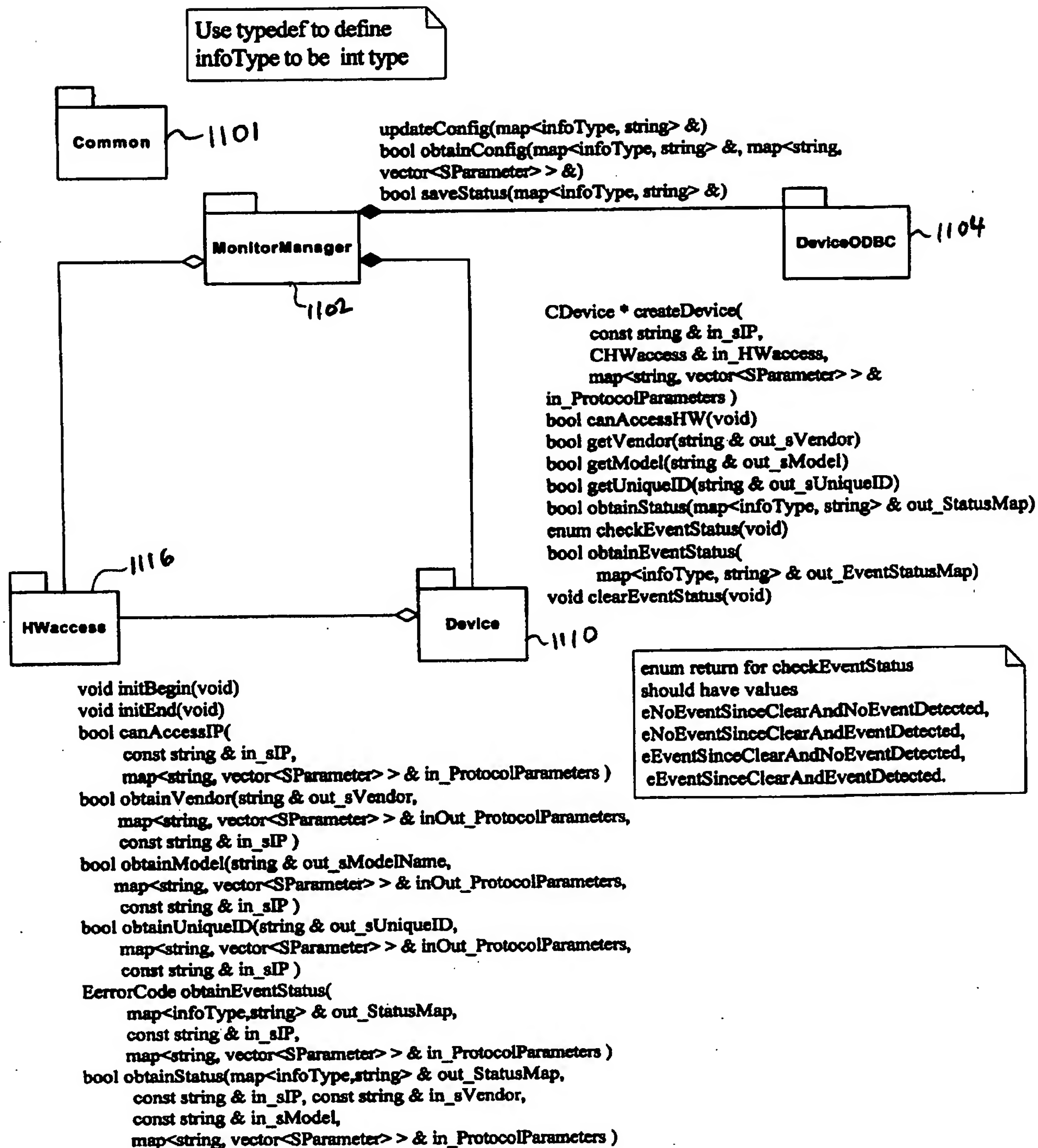


FIG. 11

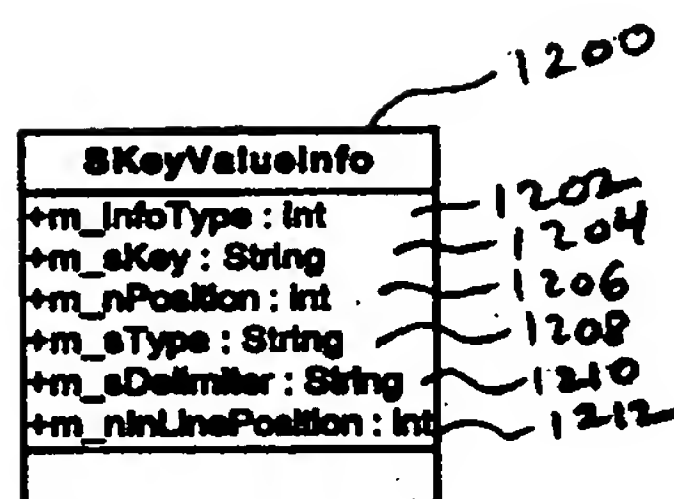


FIG. 12

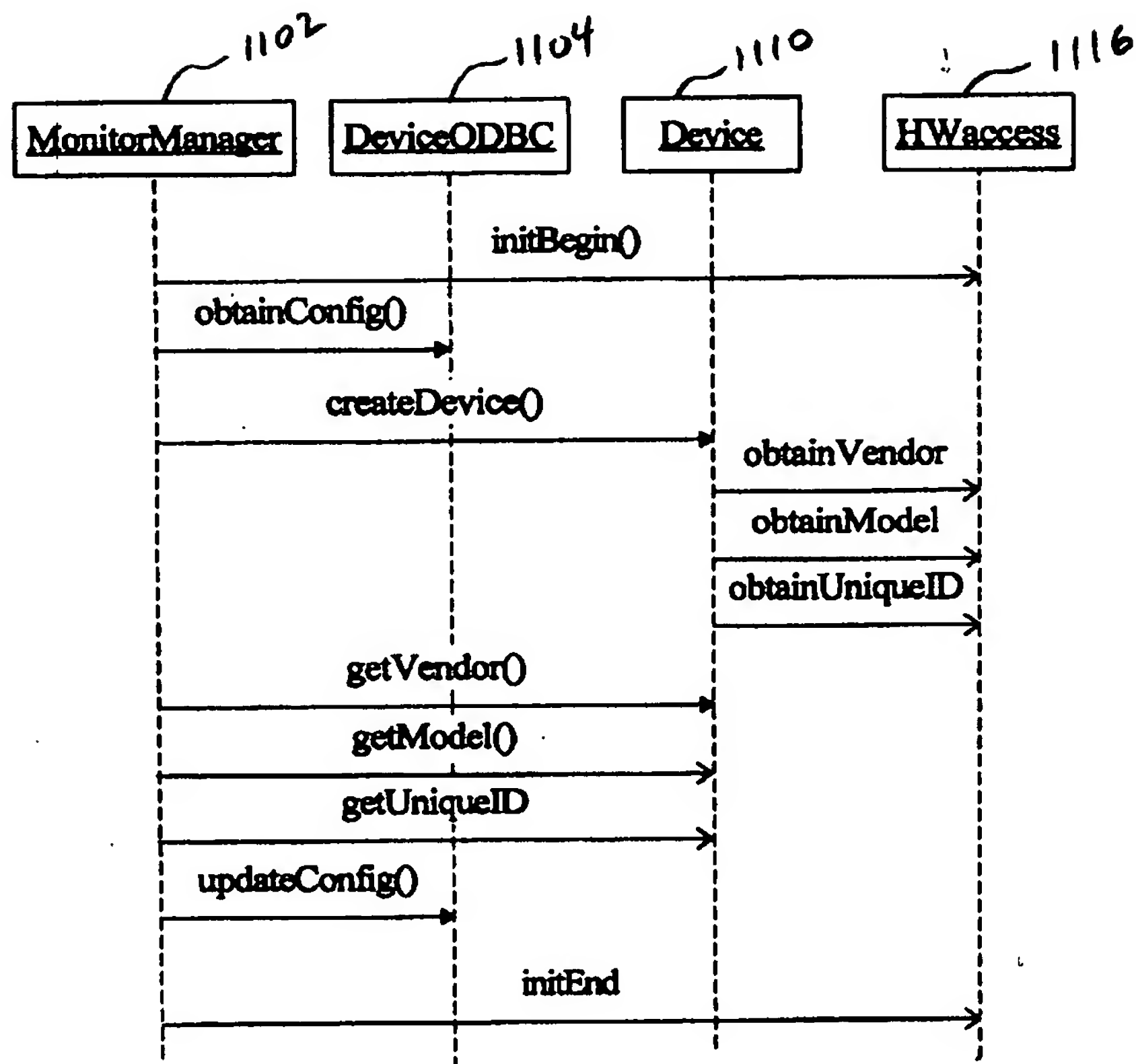


FIG. 13

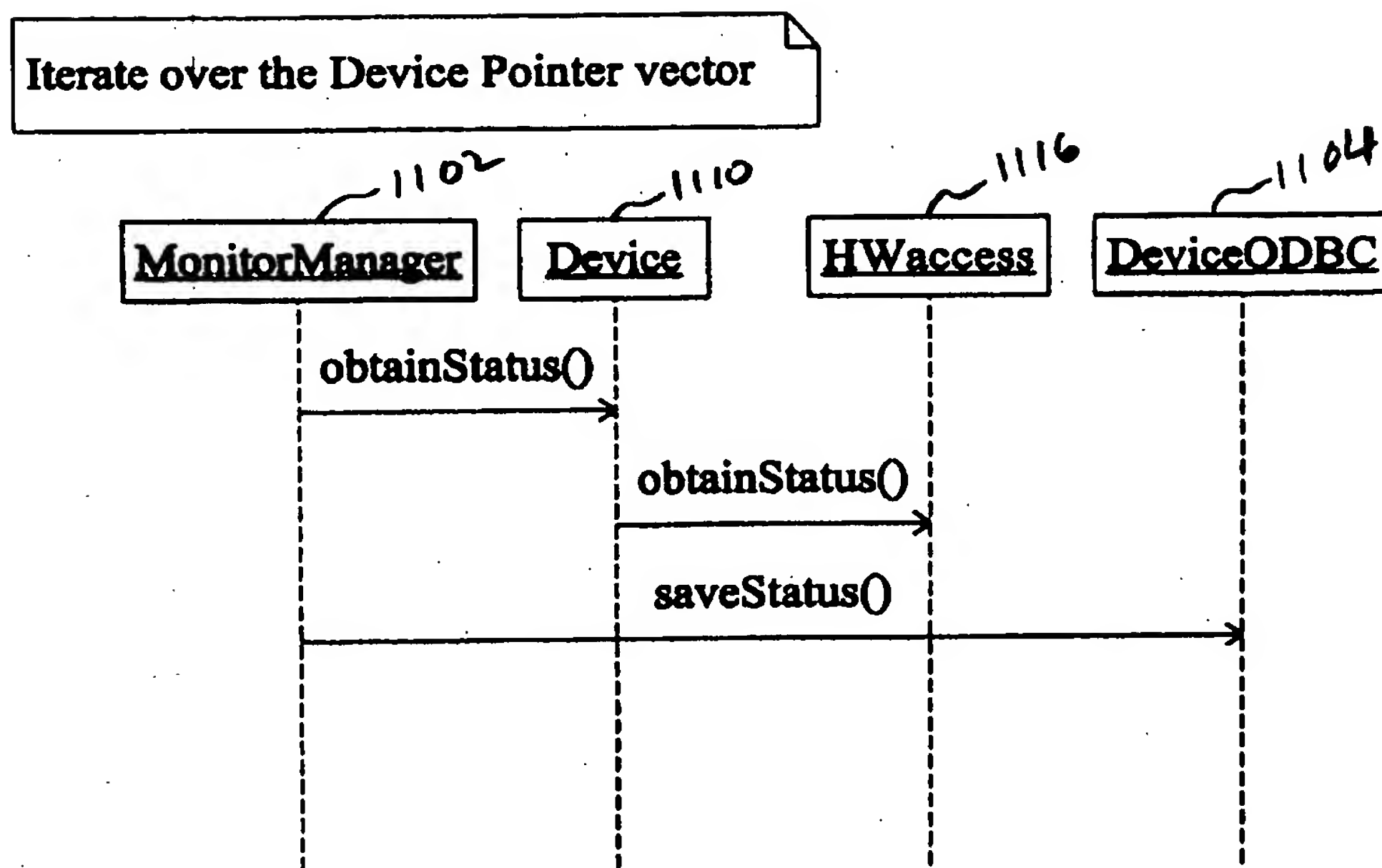


FIG. 14

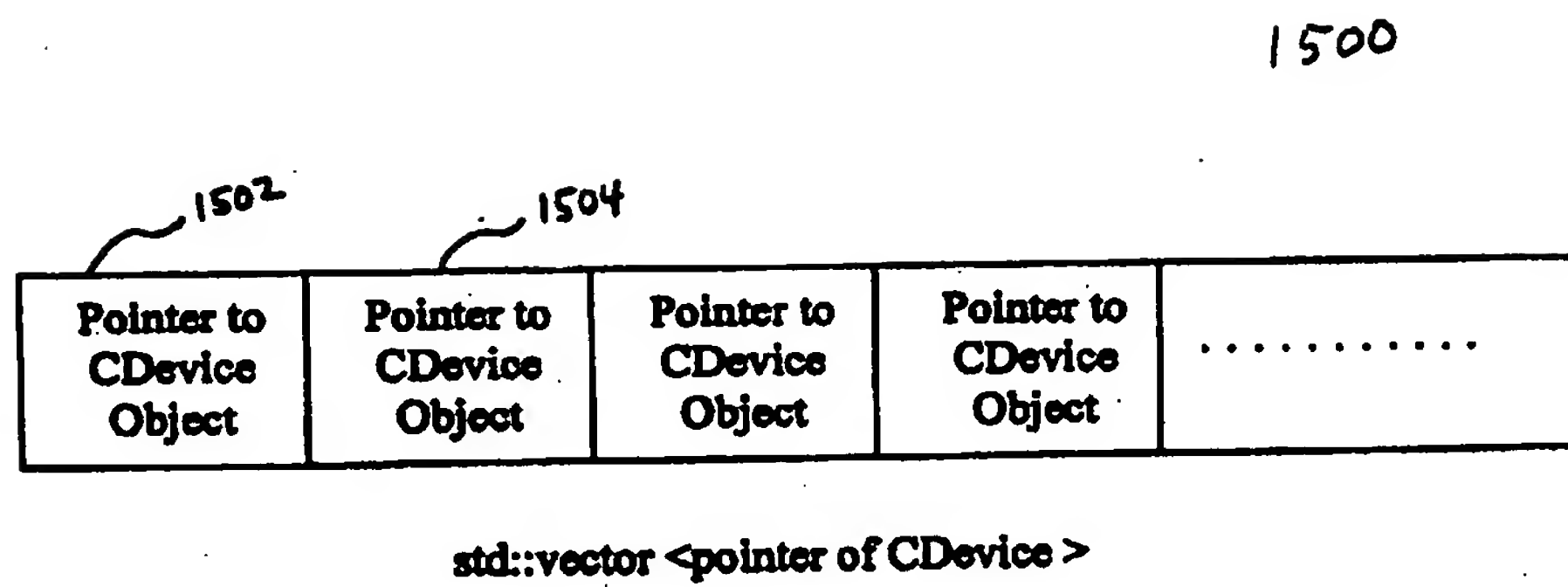


FIG. 15

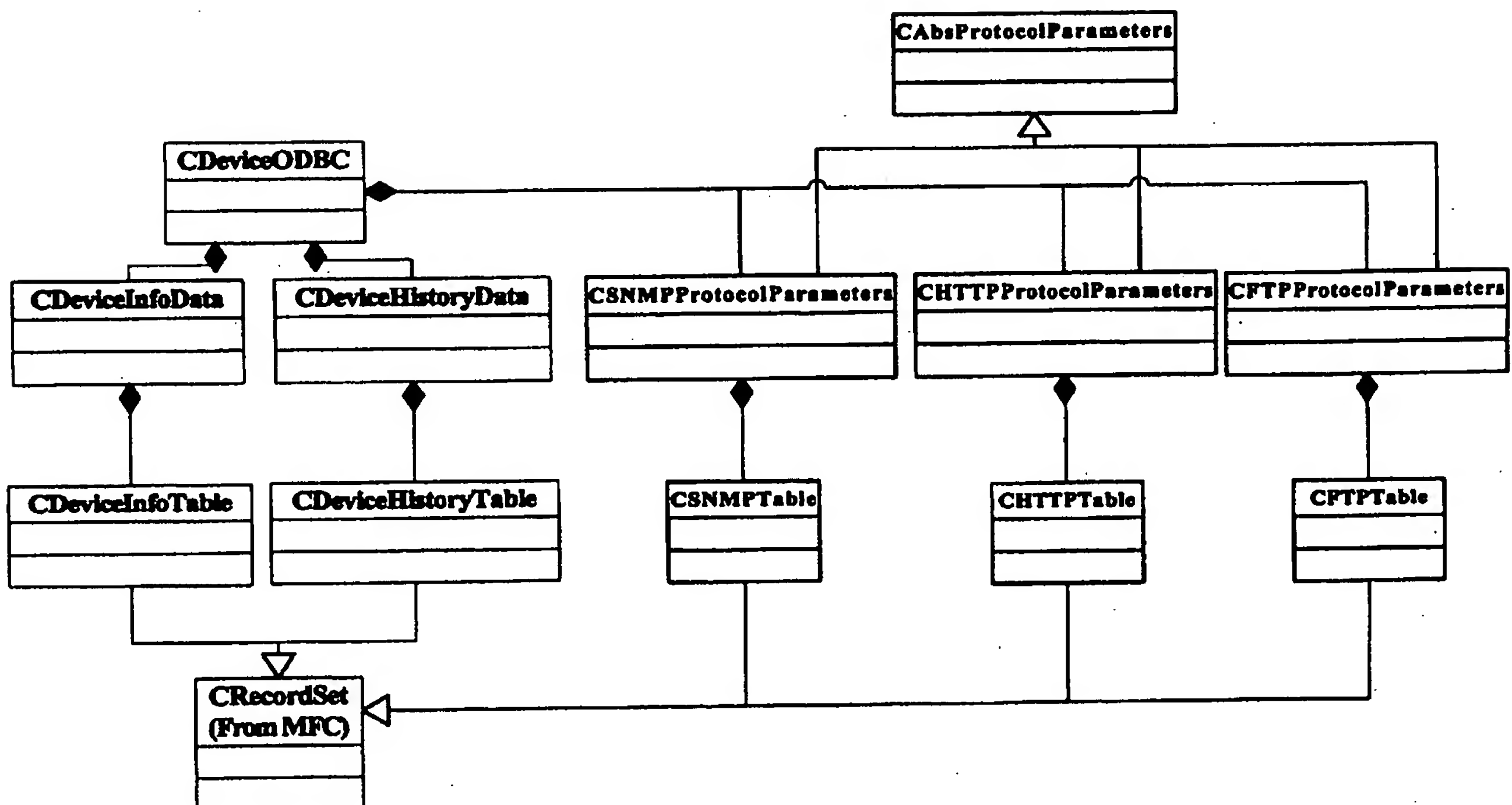


FIG. 16

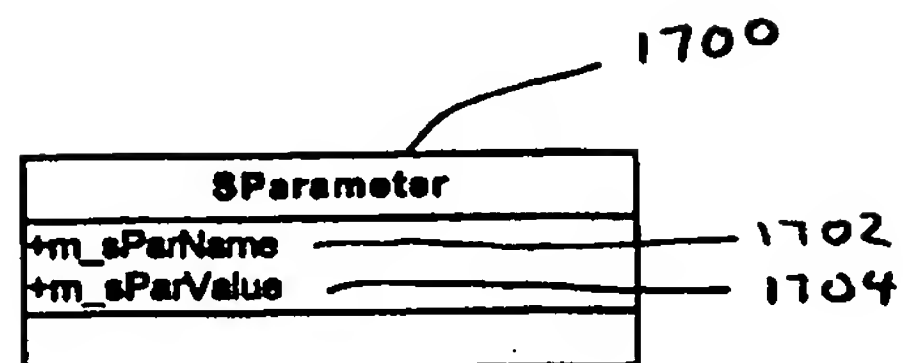


FIG. 17

Table 1800 is a table with two columns: "Protocol (Key)" and "Vector of SParameter (Value)". The table is divided into three rows. The first row has "SNMP" in the first column and is pointed to by reference numeral 1802 on the left and 1808 on the right. The second row has "HTTP" in the first column and is pointed to by reference numeral 1804 on the left and 1810 on the right. The third row has "FTP" in the first column and is pointed to by reference numeral 1806 on the left and 1812 on the right. The table is labeled 1800 at the top right.

Protocol (Key)	Vector of SParameter (Value)
"SNMP"	
"HTTP"	
"FTP"	

FIG. 18

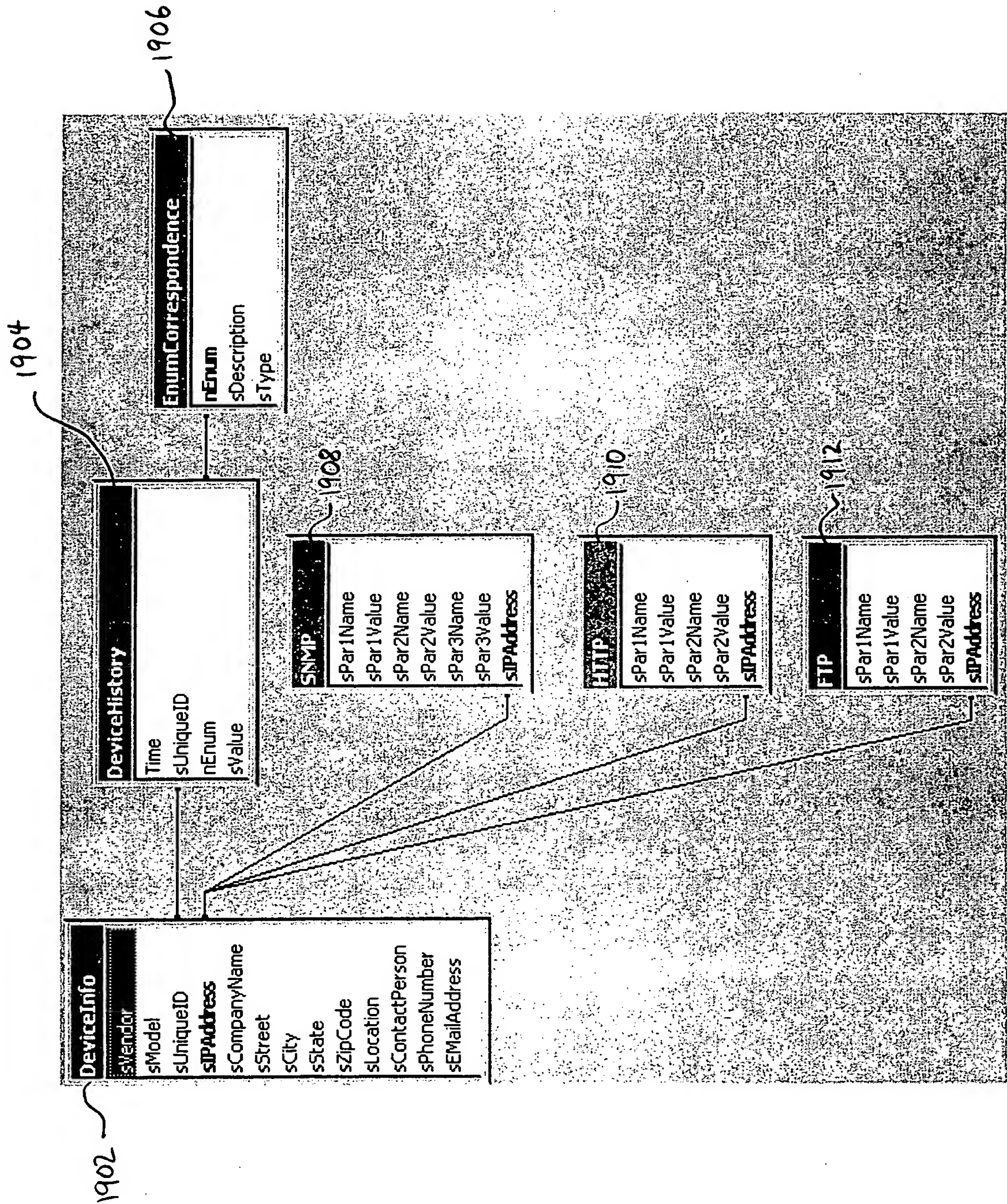


FIG. 19

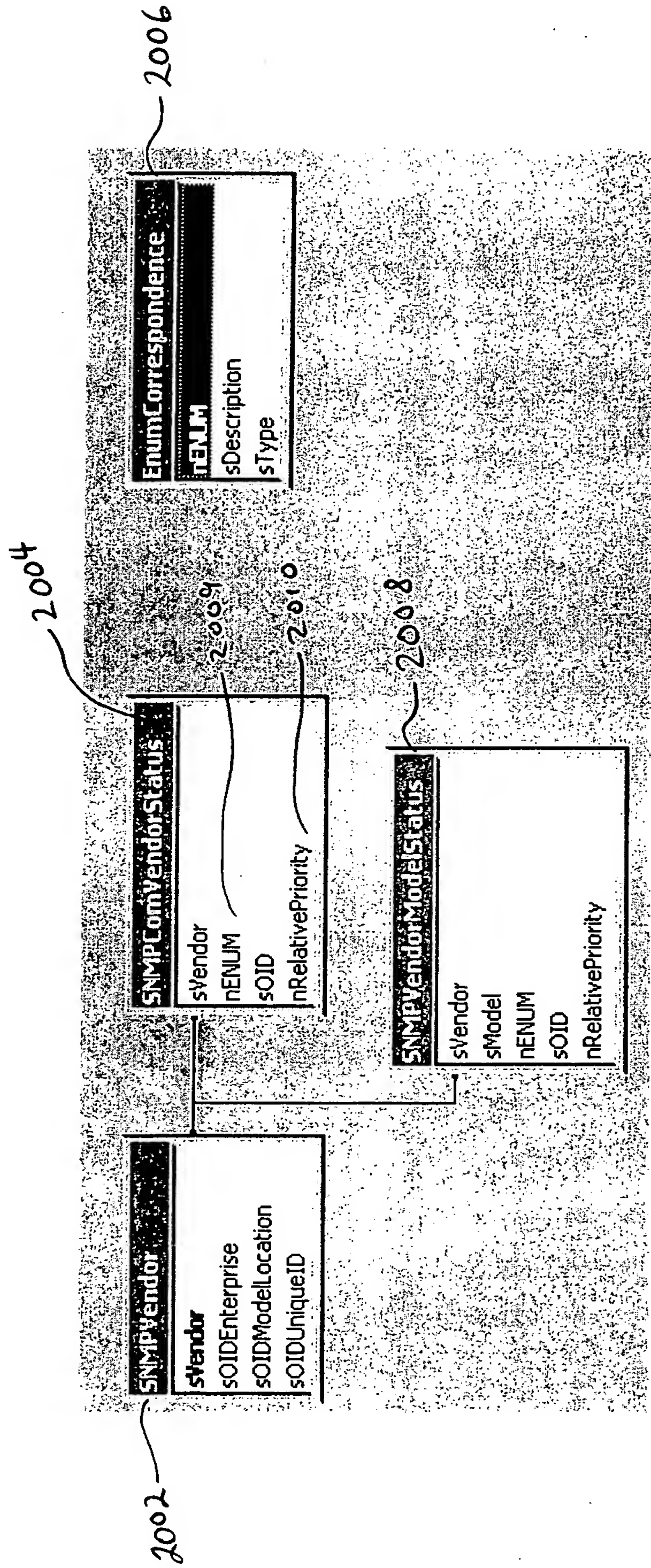


FIG. 20

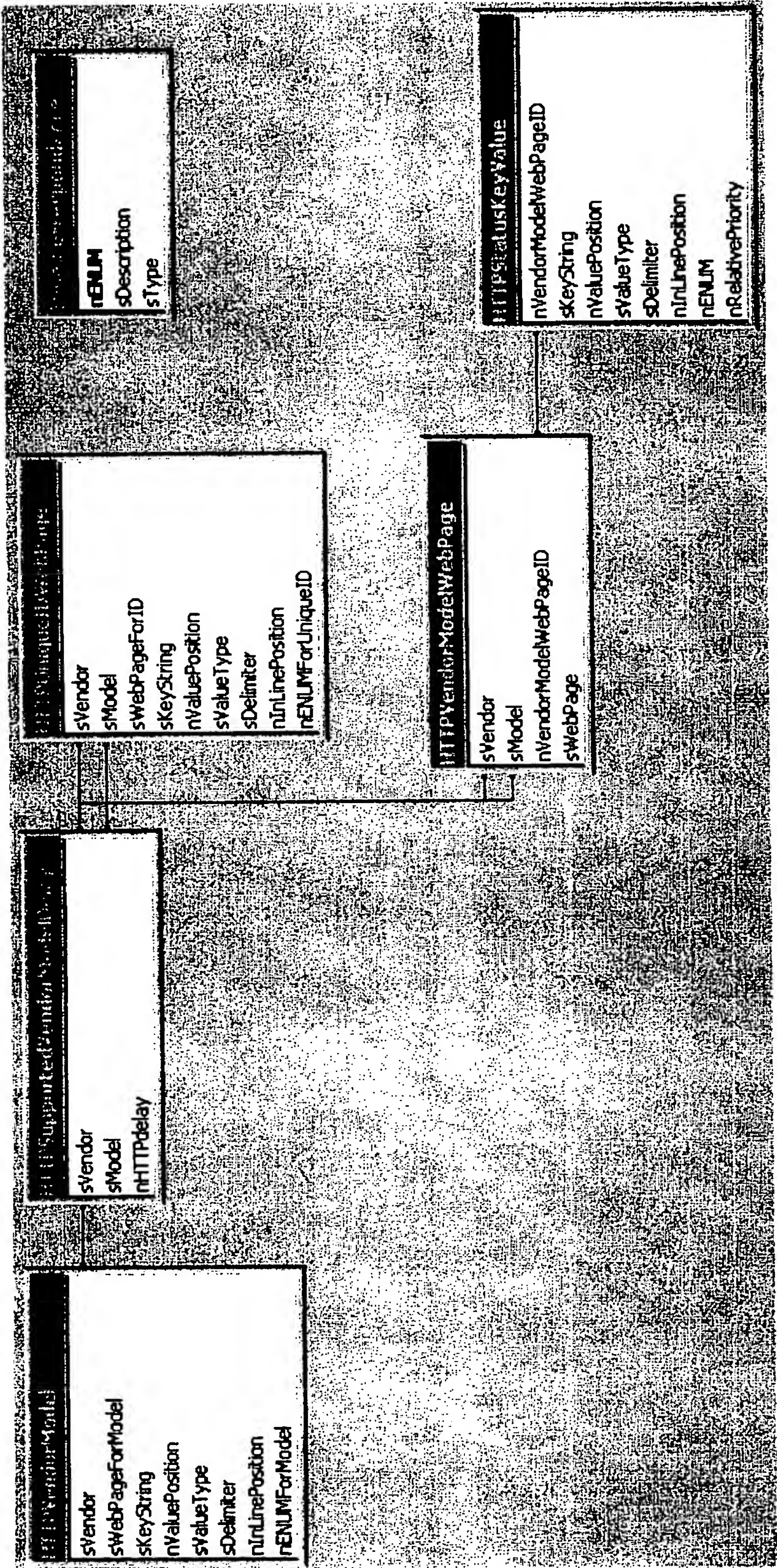


FIG. 21

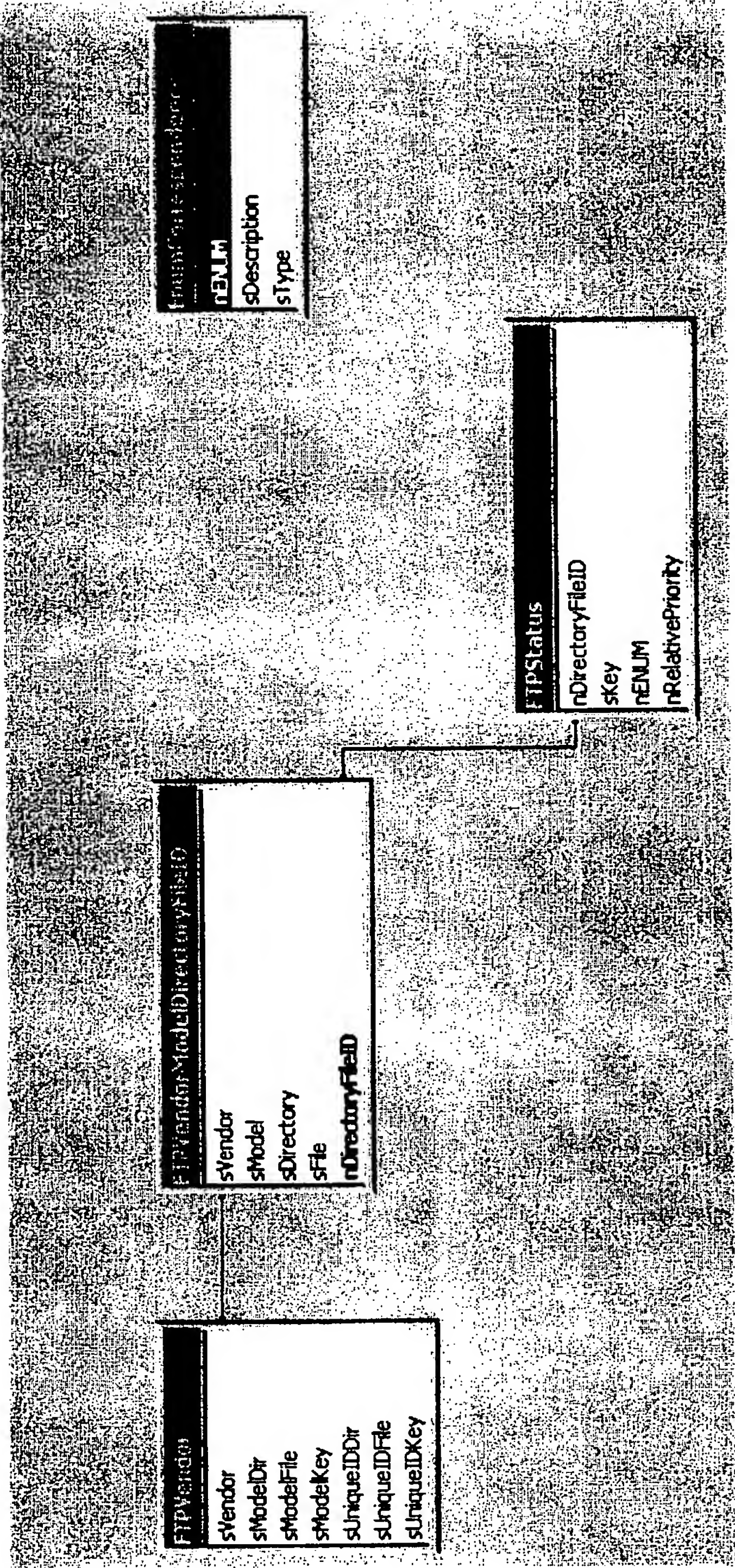


FIG. 22

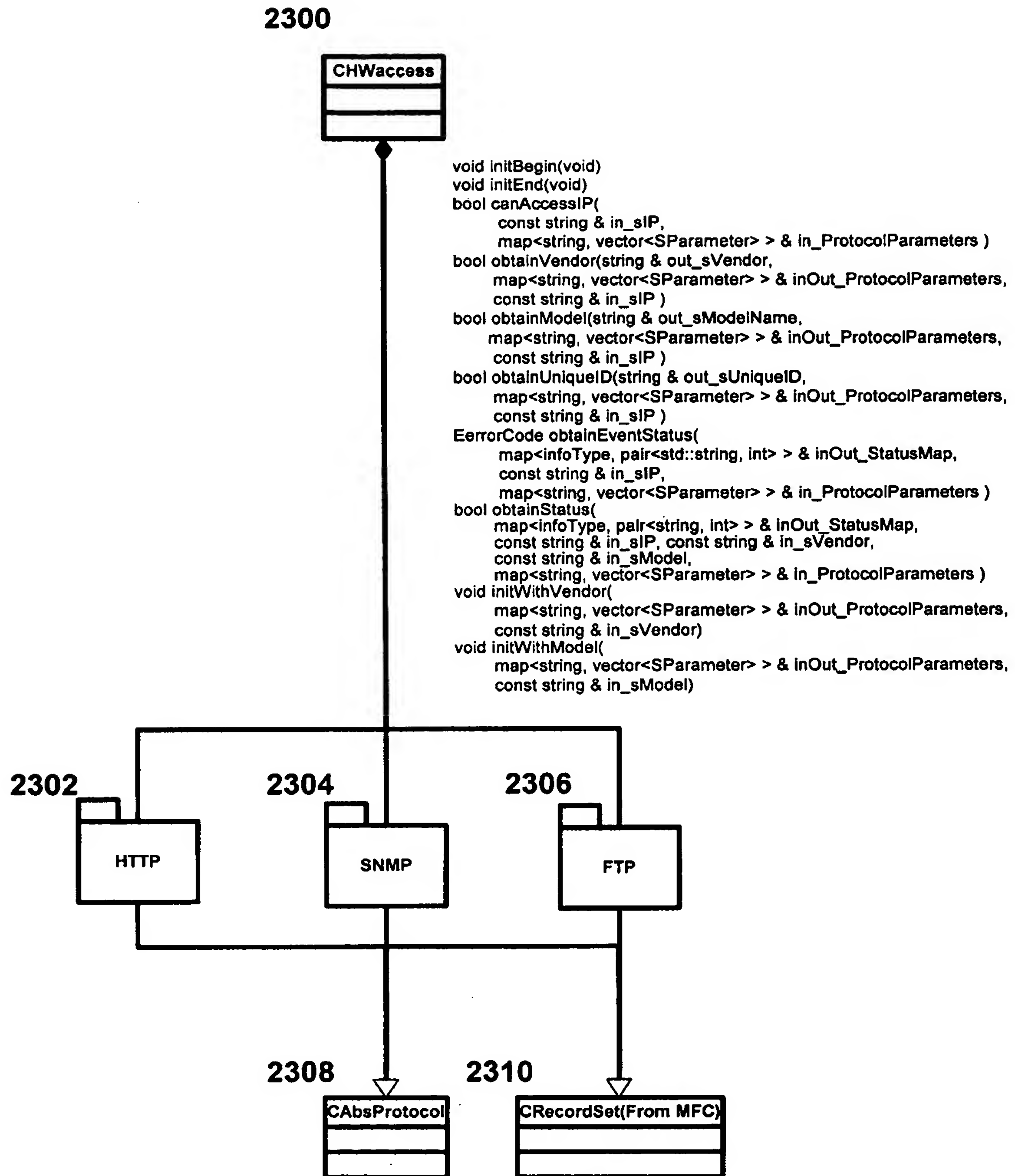


FIG. 23

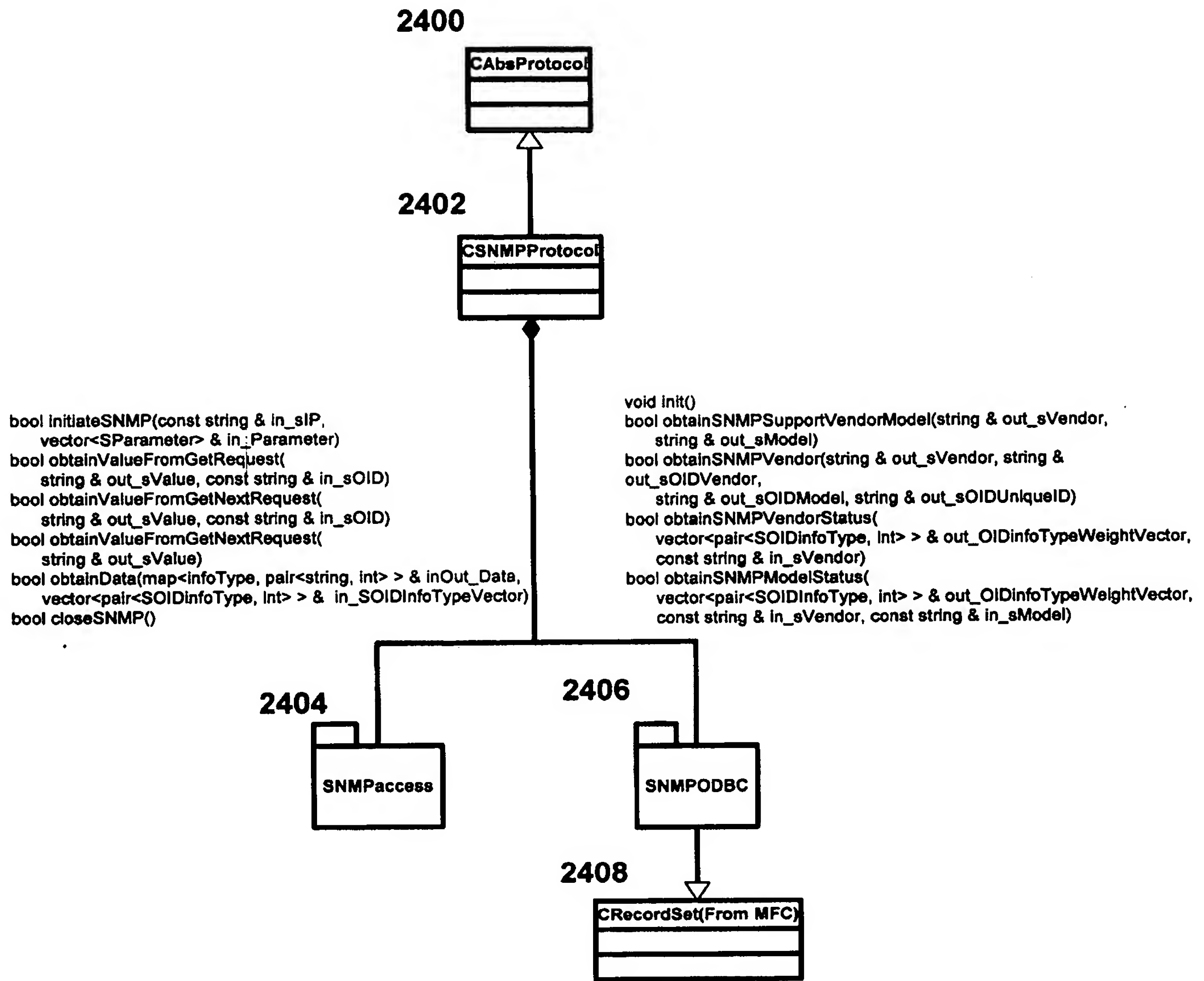


FIG. 24

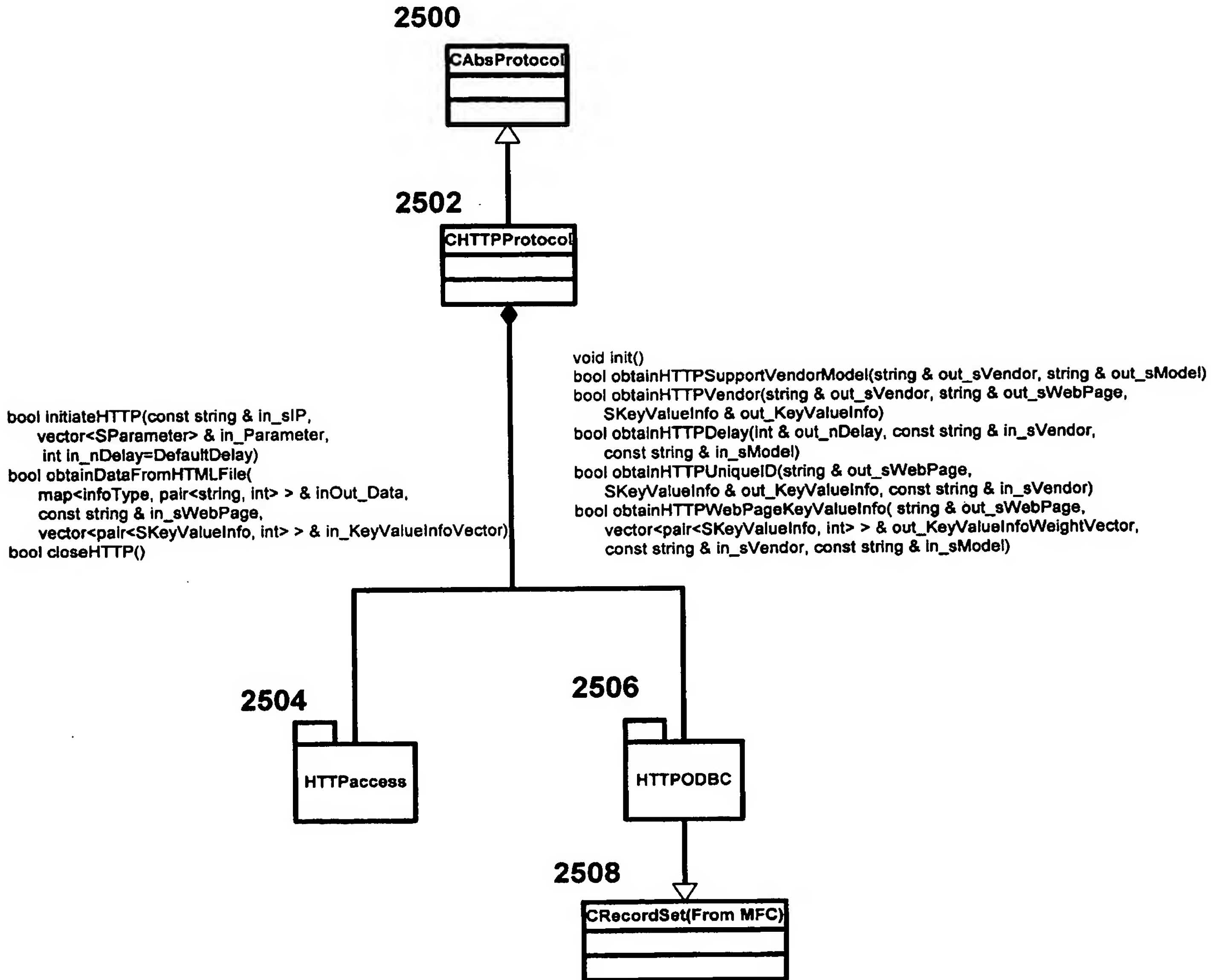


FIG. 25

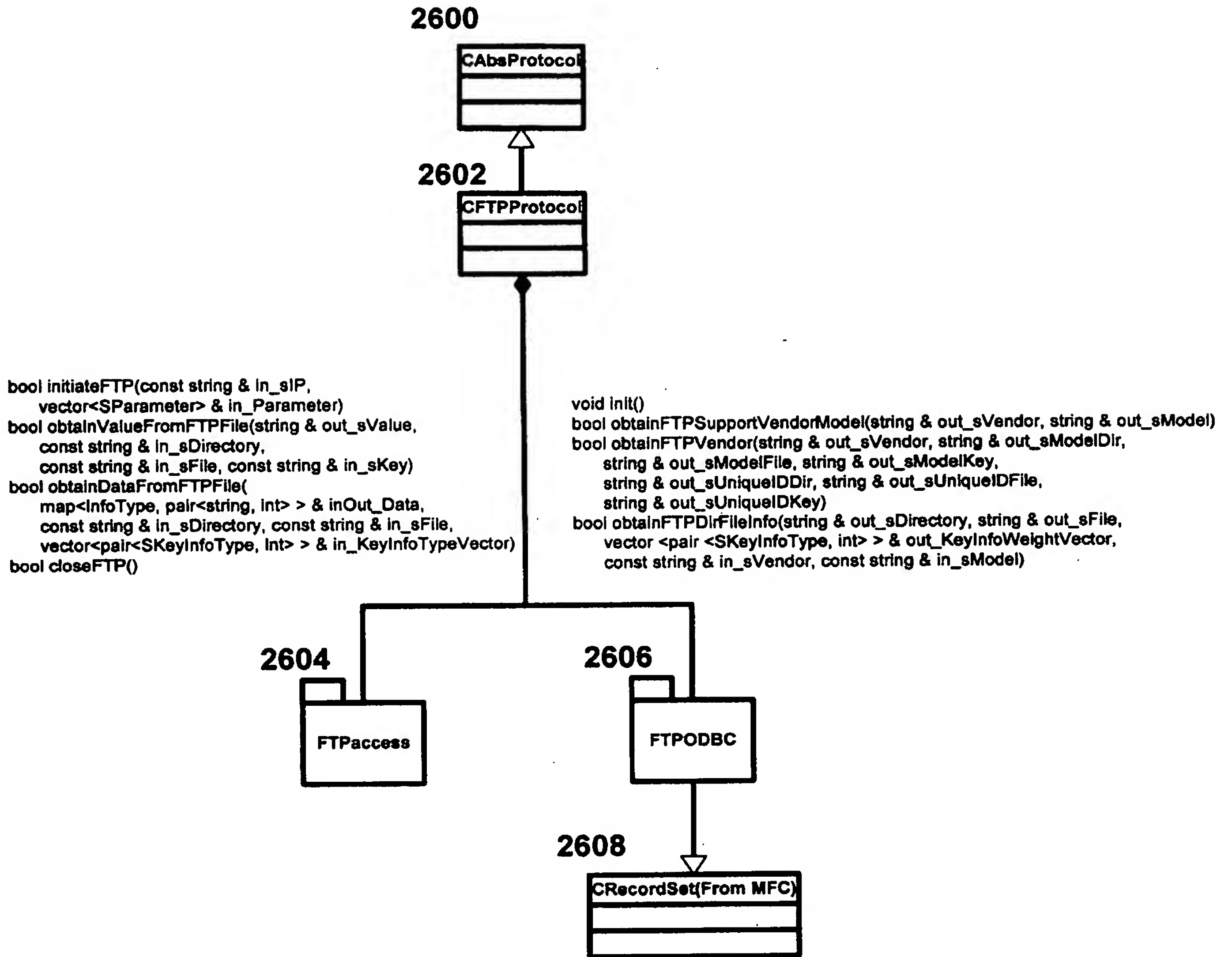


FIG. 26

Vector of CAbsProtocol*
500

CAbsProtocol* 502	CAbsProtocol* 504	CAbsProtocol* 506	...
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FIG. 27A

std::map<std::string, std::map<std::string, std::vector<std::pair<SOIDinfoType, int> > > >
510

string 512	map 514	
	string 516	vector 518
Ricoh	GENERIC	< (SOIDinfoType1, int1), (SOIDinfoType2, int2) >
	Aficio 1224C	< (SOIDinfoType3, int3) >
Xerox	GENERIC	< (SOIDinfoType4, int4), (SOIDinfoType5, int5) >
	DocuPrint NC60	< (SOIDinfoType5, int5) >

FIG. 27B

std::map<std::string, std::map<std::string, std::vector<SWebPageInfo> > >
520

string 522	map 524	
	string 526	vector 528
Ricoh	Aficio X	Vector of struct SWebPageInfo { std::string m_sWebPage; std::vector<std::pair<SKeyValueInfo, int> > m_KeyValueInfoVector; };
Xerox	N4025	

FIG. 27C

std::map<std::string, std::map<std::string, std::vector<SDirFileInfo> > >
530

string 532	map 534	
	string 536	vector 538
Ricoh	Aficio	vector of struct SDirFileInfo { std::string m_sDirectory; std::string m_sFile; std::vector<std::pair<SKeyInfoType, int> > m_KeyInfoTypeVector; };
Xerox	N4025	

FIG. 27D

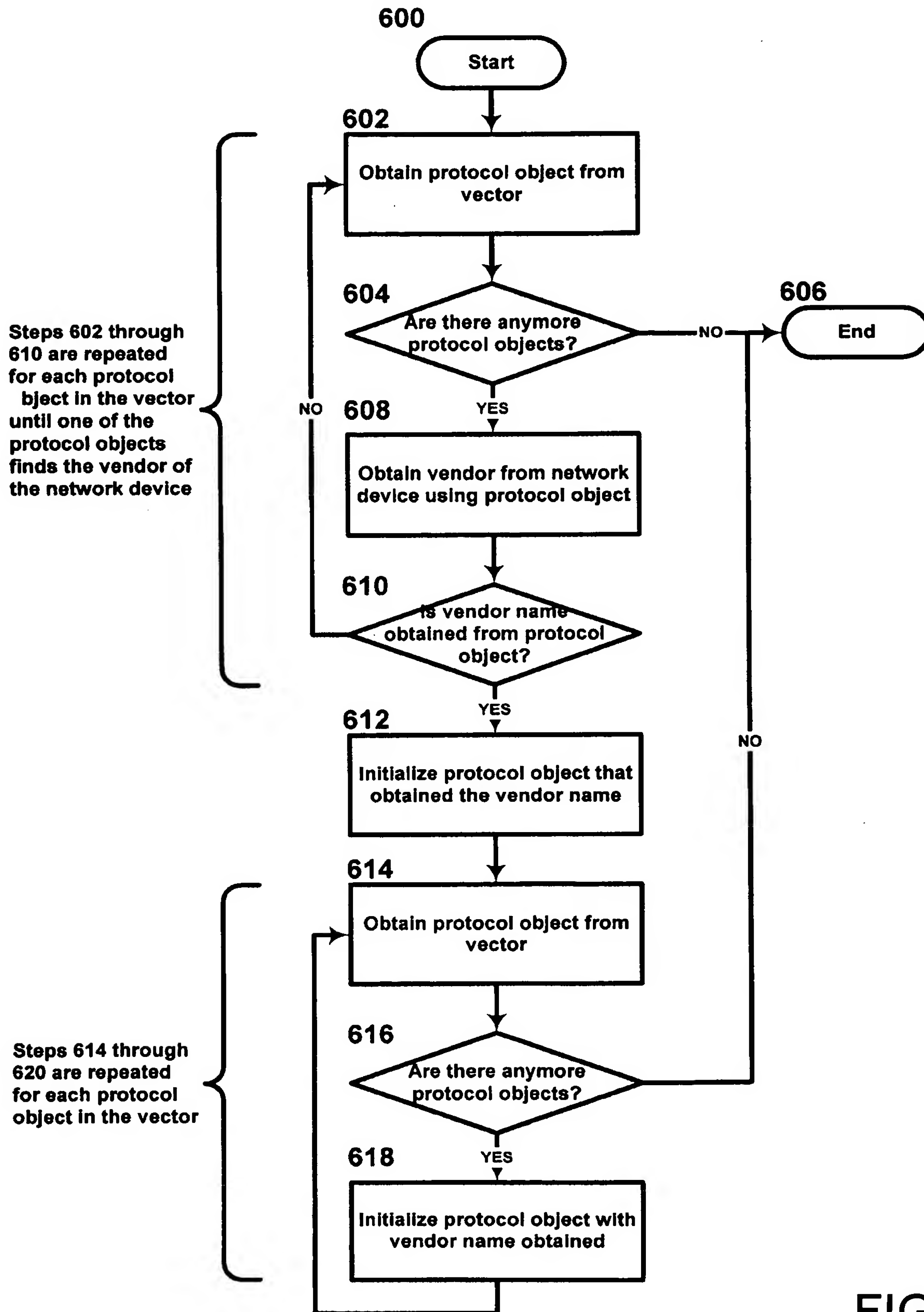


FIG. 28

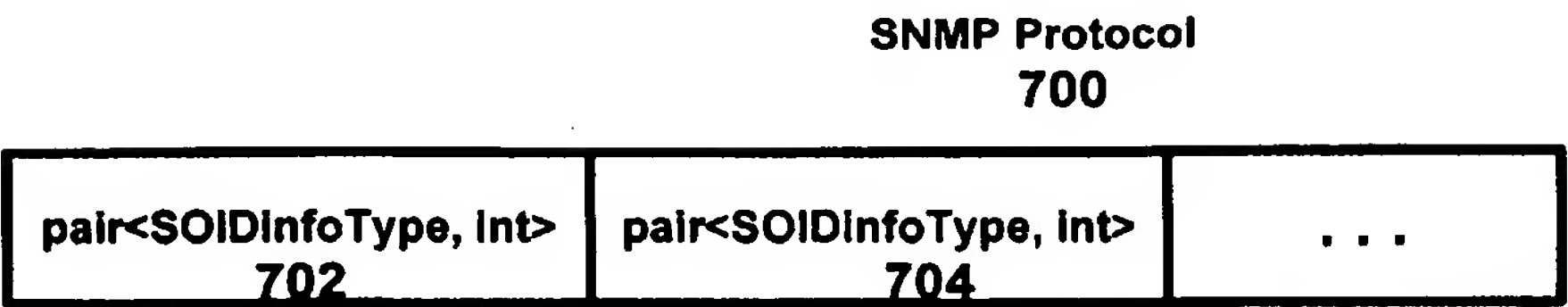


FIG. 29A

706
struct SOLDInfoType {
 InfoType m_InfoType;
 std::string m_sOID;
 SOLDInfoType();
 ~SOLDInfoType();
 void clear();
};

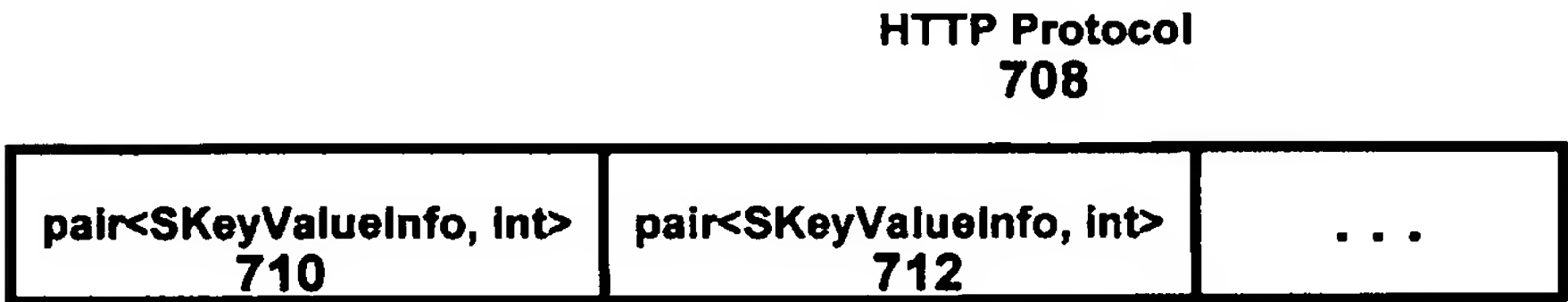


FIG. 29B

714
struct SKeyValueInfo {
 InfoType m_InfoType;
 std::string m_sKey;
 int m_nPosition;
 std::string m_sType;
 std::string m_sDelimiter;
 int m_nInLinePosition;
 SKeyValueInfo();
 ~SKeyValueInfo();
 void clear();
};

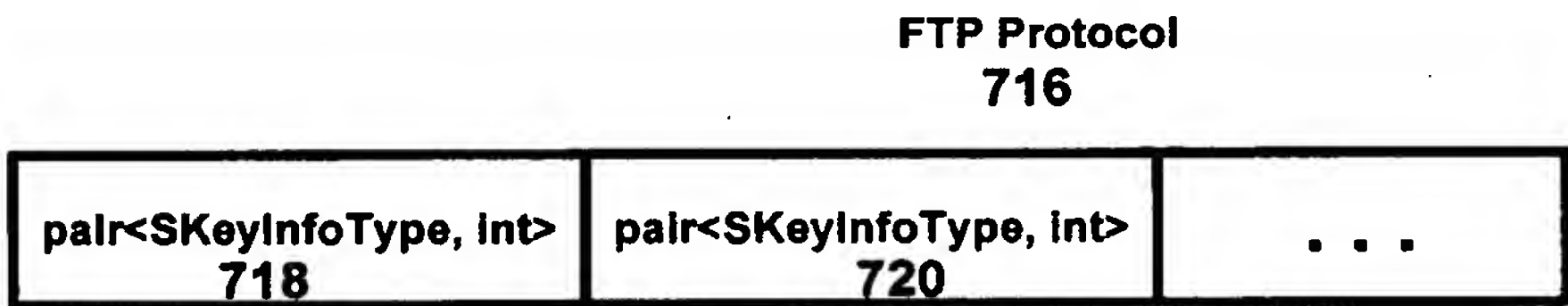


FIG. 29C

722
struct SKeyInfoType {
 InfoType m_InfoType;
 std::string m_sKey;
 SKeyInfoType();
 ~SKeyInfoType();
 void clear();
};

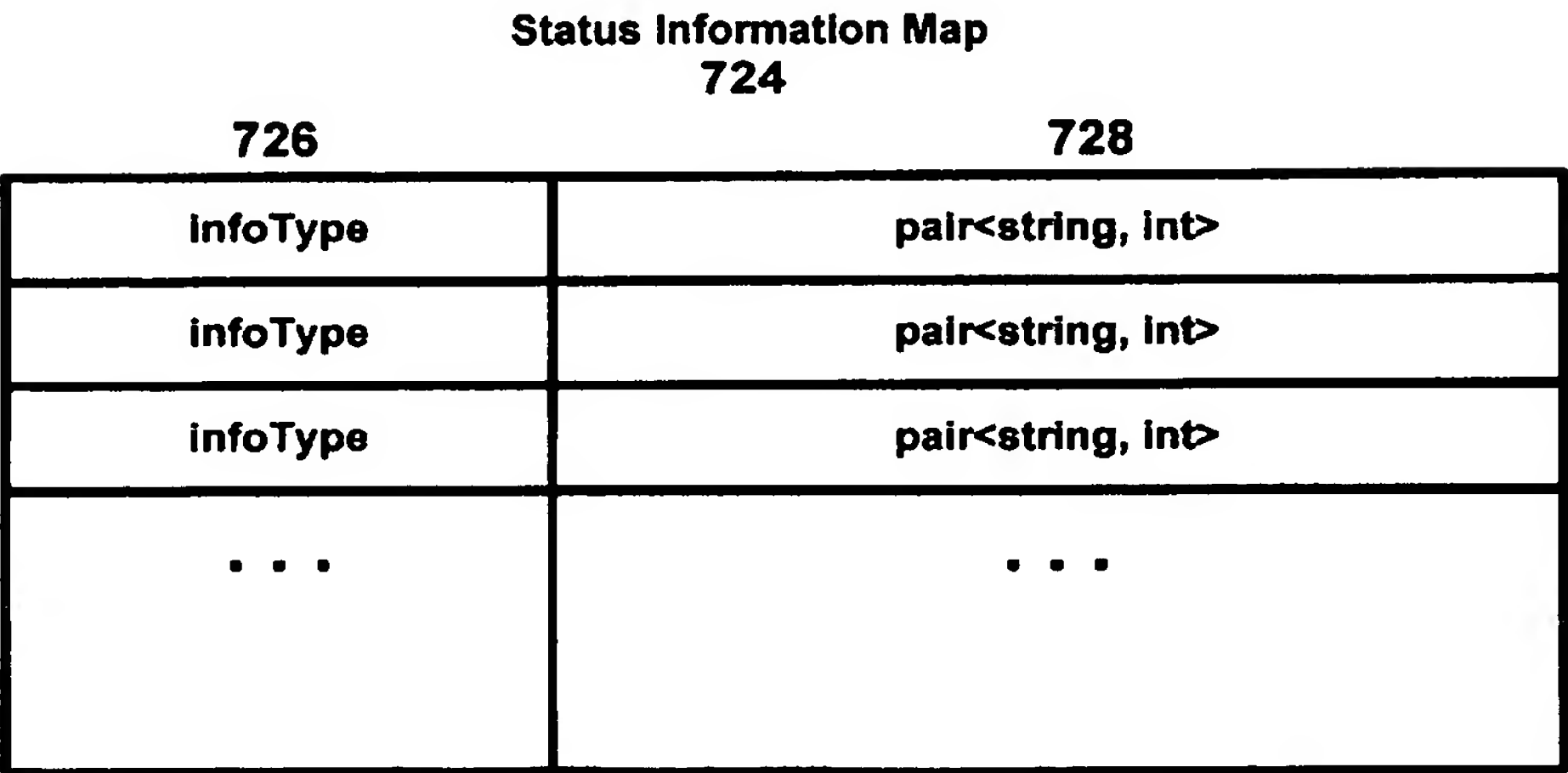


FIG. 29D

std::map<std::string, std::map<std::string, std::vector<SDirFileStatusInfo> > >
800

Ricoh	Aficio 120	<SDirFileStatusInfo1, SDirFileStatusInfo2, SDirFileStatusInfo3>

802

/pub
status.txt
<(SKeyInfoType1, 1000), (SKeyInfoType2, 5000), (SKeyInfoType3, 10000), (SKeyInfoType4, 7500), (SKeyInfoType5, 625)>

SKeyInfoType1 corresponds to the infoType 600, SKeyInfoType2 corresponds to the infoType 610, SKeyInfoType3 corresponds to the infoType 620, SKeyInfoType4 corresponds to the infoType 700, and SKeyInfoType5 corresponds to the infoType 710

Status Information Map
804

600	("Low Paper", 500)
610	("24321", 10000)
700	("OK", 2500)

FTP Protocol
806

(SKeyInfoType1, 1000)	(SKeyInfoType3, 10000)	(SKeyInfoType4, 7500)	(SKeyInfoType5, 625)
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FIG. 30

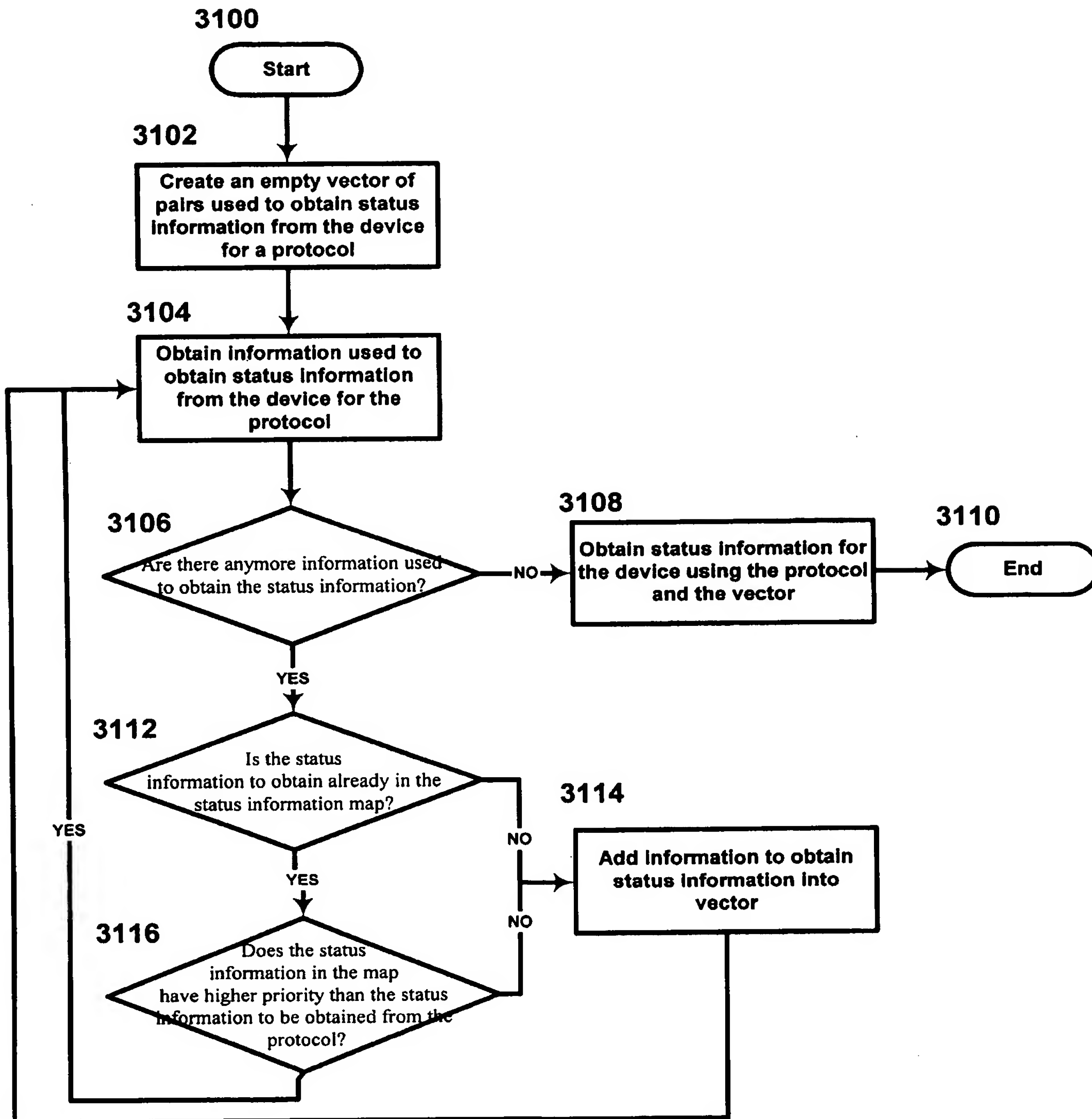


FIG. 31A

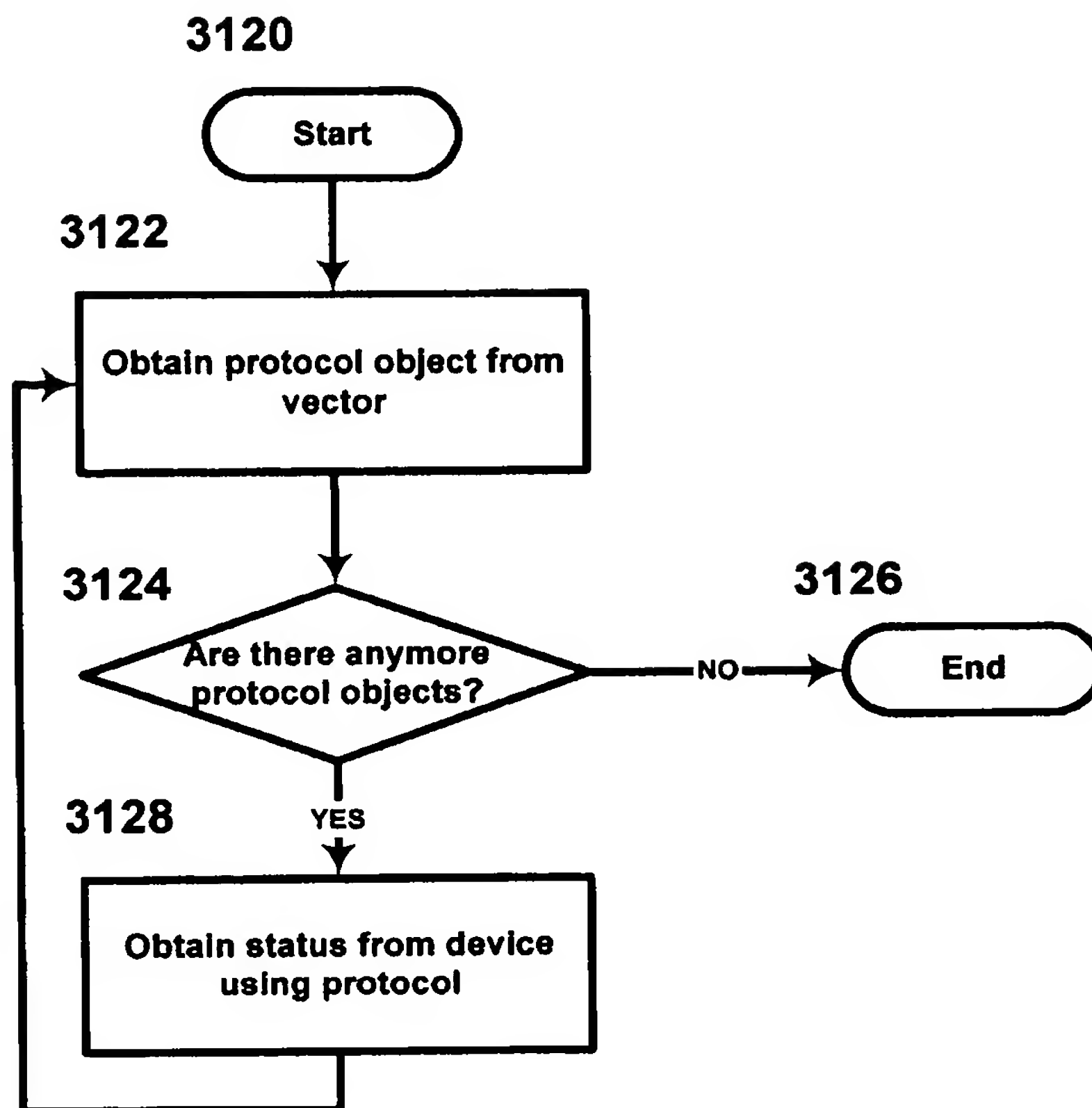


FIG. 31B

Vendor Model Support Map 3200	
3202	3204
string	int
string	int
string	int
string	int
...	...

FIG. 32A

Sample Vendor Model Support Map 3206	
3208	3210
Xerox%%%%NC60	1
Xerox%%%%N4025	1
HP%%%%LaserJet 9000	1
HP%%%%LaserJet 4550	1
...	...

FIG. 32B

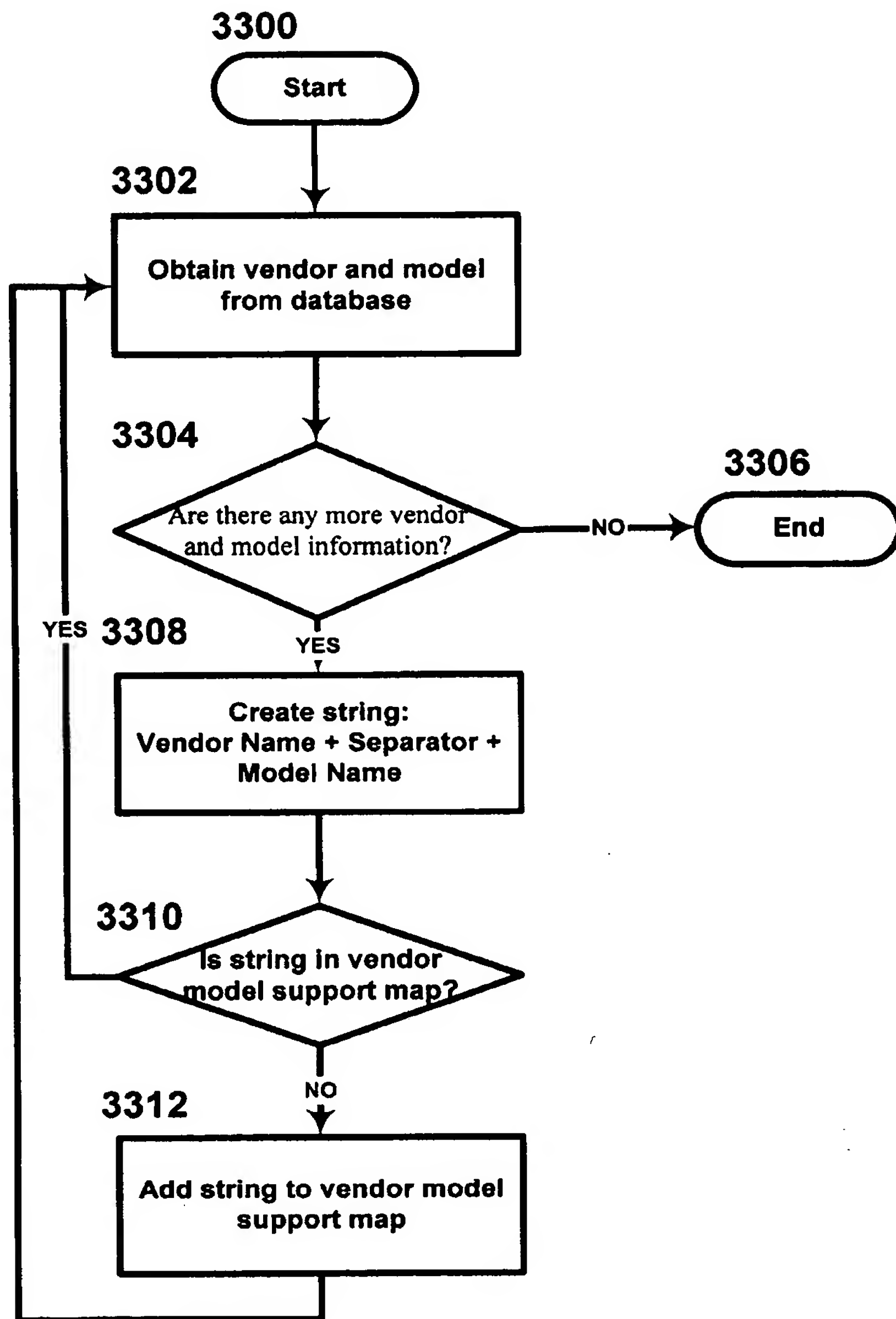


FIG. 33

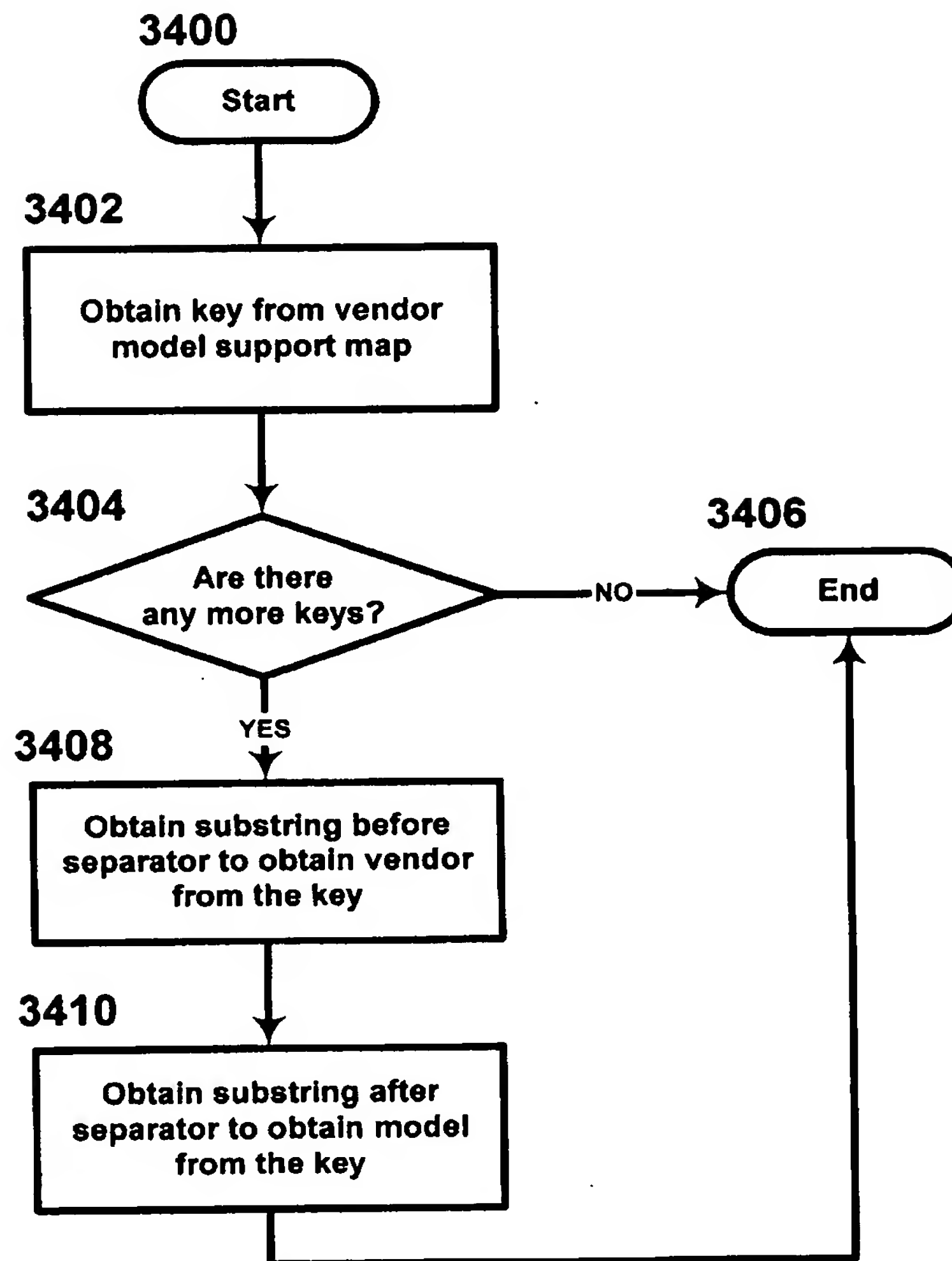


FIG. 34

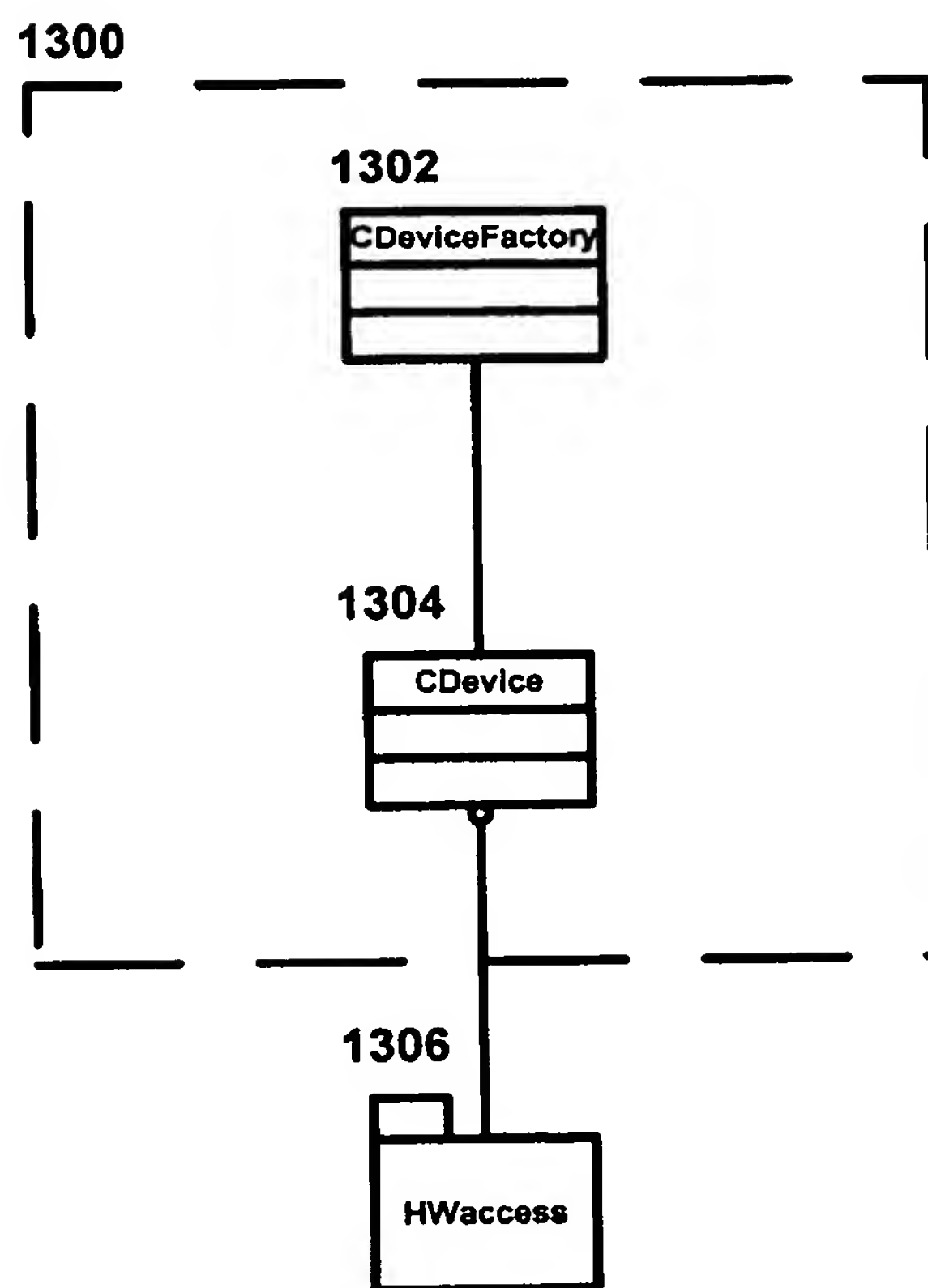


FIG. 35

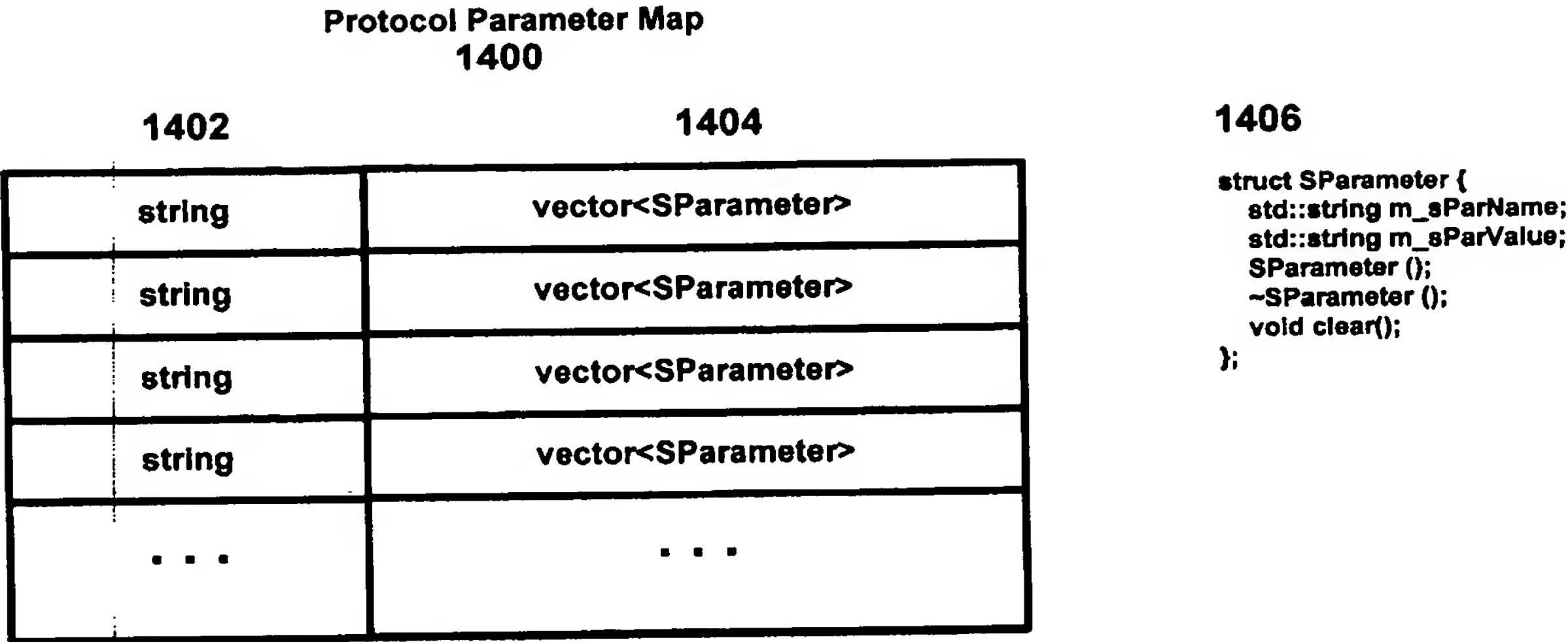


FIG. 36A

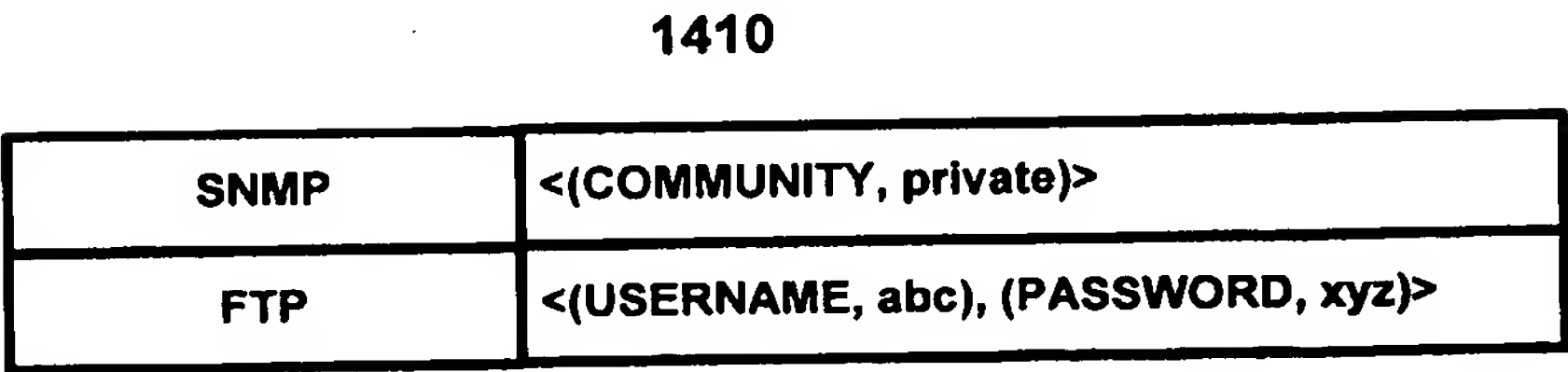


FIG. 36B

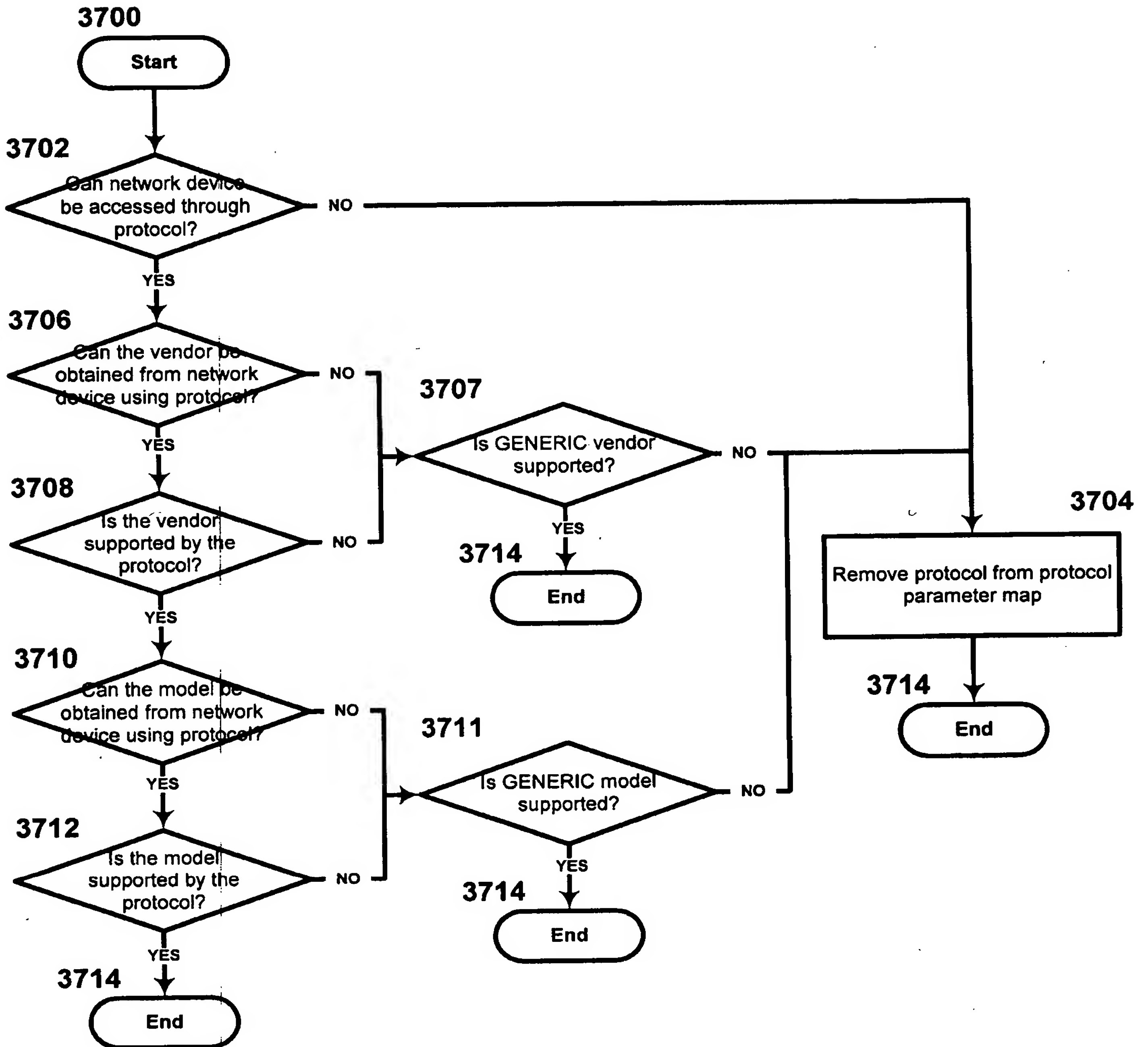


FIG. 37